Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 139
Number 3

January 20, 1941

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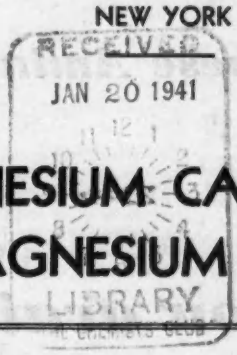

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Volume 139 **January 20, 1941** **Number 3**

Potash, Nickel Salts Put Under Export Curb

OPD Washington Bureau
January 13, 1941

The executive order of January 10 extending the export license system to potash and a number of nonferrous metals embraces practically all common fertilizer and industrial salts of potash and all nickel salts containing 10 percent or more of the metallic element. The order applies also to metallic copper, brass, bronze, zinc, and nickel in a number of forms. It will become effective February 3.

The articles specifically covered by the new order, according to the categories issued by the Division of Controls of the Department of State, are listed below. The numbers in parentheses following each material or article correspond to the "Commodity Number" prefixed to the "Commodity Description" as set out in schedule B, "Statistical Classification of Domestic Commodities Exported from the United States," effective January 1, 1939, as amended, issued by the Department of Commerce. The words are controlling and the numbers are for statistical classification only. An asterisk (*) indicates that the classification herein is not coextensive with that in said schedule B.

A. Copper:—

Ore, concentrates, matte, and unrefined copper including blister, black or coarse, converter, and anodes (6401)
Refined copper in bars, billets, cakes, ingots, slabs and other commercial shapes (6412)
Old and scrap copper (6413)
Pipes and tubes (6422)

—Continued on page 57

Strategic Materials Stock-Pile Inventoried

OPD Washington Bureau
January 13, 1941

No provision for additional purchases of strategic and critical materials by the Treasury Department is included in the budget for the 1942 fiscal year, although an appropriation of $60,000,000 for the current fiscal year remains available until spent, and in addition the Federal Loan Agency is engaged on a program of acquiring strategic materials.

During the fiscal year ended last June the Procurement Division of the Treasury allocated the full appropriation of $13,600,000 available for such

—Continued on page 30

U.S. Closes Nitrate Deal with Chile

OPD Washington Bureau
January 13, 1941

The Defense Supplies Corporation, a Reconstruction Finance Corporation subsidiary, has announced a contract to purchase 300,000 short tons of nitrate of soda in Chile to be held as a part of the military reserve stock pile of strategic materials.

This purchase has been under discussion in government circles for several months, and according to the best information available the chief reason for the purchase is to improve Chile's dollar exchange position. The Metals Reserve Company, another R.F.C. subsidiary, is engaged in acquiring 100,000 tons of South American copper, about 85 percent of which comes from Chile, but in spite of this it is understood that Chile is having difficulty getting exchange to purchase needed commodities in the United States.

The administration's program for improving commercial and cultural relations between the American Re-

—Continued on page 58

U.S. Export Control Policy to Be Defined

Col. R. L. Maxwell, Administrator of Export Control, will address the New York Export Managers Club at a luncheon in the Hotel Pennsylvania, this city, January 21. He will discuss the policy and procedure of government export control. Following his address, Col. Maxwell will answer questions presented during the discussion period.

British Council Formed To Supervise Buying

The British Supply Council of North America, a new body established by the British government in an announcement made January 14 in London, has been created to direct the work of the British Purchasing Commission in the United States.

Formation of the council was confirmed in Washington when the British Purchasing Commission issued an announcement idetical with that made in London. The council is also to "deal with all issues of policy concernnig supply, including representations to be made to the United States Administration."

Other members of the council will be:—Morris Wilson, as deputy chairman; Sir Clive Ballieu, Sir Henry Self, director general of the British Air Commission; Vice Admiral A. E. Evans, head of the British Admiralty Commission in Canada, and C. D. Howe, Canadian Minister of Munitions.

A. B. Purvis, director general of war purchases in the United States, has been promoted to head of the new council, and will be succeeded by Sir Clive Ballieu on the purchasing commission. Establishment of the new body takes the weight of dealing with the detail of purchases off the shoulders of Viscount Halifax, British ambassador to the United States, leaving him and his aides to handle the broad question of United States-British relations to world economy, as well as regular ambassadorial duties.

—Continued on page 33

Phila. Drug Exchange To Meet January 28

The Philadelphia Drug Exchange will hold its annual meeting January 28 in the Downtown Club. When the business has been completed the members will gather for a luncheon.

The organization will hold its annual banquet January 30 in the Bellevue-Stratford hotel at 7:00 p. m.—cocktails at 6:00. R. G. Anderson, incoming president, will be toastmaster. Addresses will be made by E. L. Brendlinger, retiring president, and Charles H. Grakelow.

Exports to Be Expedited By U.S. General Licenses

OPD Washington Bureau
January 15, 1941

General licenses to expedite shipments under the export license control act were authorized in an Executive Order issued by President Roosevelt today.

No general licenses have been issued as yet, but some are expected within a few days, probably covering exports of various types of articles to Canada, and the list of commodities and destinations may be expanded or contracted from time to time. General licenses will be issued by the Division of Control of the Department of State in accordance with directives from the Administrator of Export Control.

When a general license is in effect, all exporters of articles covered by it are relieved from the necessity of applying to the State Department for special licenses for individual shipments, and export invoices need carry only references to the general license. Customs collectors will tabulate statistics on the volume and destination of exports under each general license.

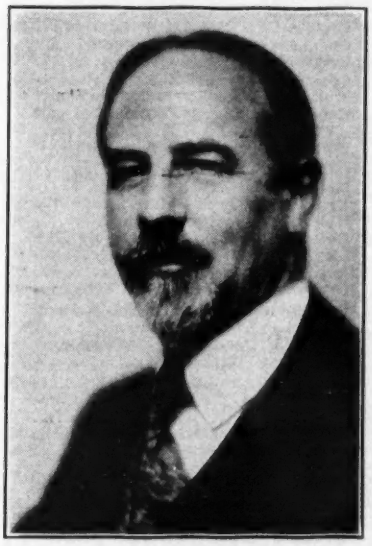
The new procedure was recommended by Colonel Russell L. Maxwell, Administrator of Export Control, who pointed out that when general licenses could be utilized they would facilitate the handling of applications, reduce the time involved, and assist exporters by making it unnecessary to obtain specific licenses for such articles and materials as are permitted export under general license. In announcing the order, the White House said:

"The general licenses will expedite shipments in those cases where rigorous controls are not required in the defense program. Full information as to quantities leaving the country will be continuously available, and defense needs will continue to be the paramount consideration."

—Continued on page 61

Dr. Dorr Receives Perkin Medal

The thirty-fifth impression of the Perkin Medal, awarded annually by the American Section of the Society of Chemical Industry for valuable work in applied chemistry, was presented to Dr. J. V. N. Dorr, president



Dr. J. V. N. Dorr

of the Dorr Company, Inc., at a meeting in the Chemists' Club, this city, January 10. The meeting was sponsored by the American Chemical Society, American Institute of Chemical Engineers, the Electrochemical Society and Societe de Chimie Industrielle. Dr. Marston T. Bogert, of Columbia University, made the presentation.

Dr. Dorr was born in Newark, N. J., January 6, 1872. He received the B.Sc. degree from Rutgers University in 1894, the honorary degree of master of engineering in 1914 and the hon-

—Continued on page 31

Research Council Plans South American Survey

An intensive exploration of South America's industrial potentialities by a group of industrial research and banking executives has been announced by Maurice Holland, director of the National Research Council's division of engineering and industrial research, which is sponsoring the tour. Mr. Holland left for South America yesterday to map out the route which the group, composed of twenty-eight key executives, will follow next Spring. The trip will cover Colombia, Peru, Chile, Argentina, Uruguay and Brazil.

Mr. Holland said the major objective is to work out practical methods for the exchange of American industrial technology for non-competitive industrial raw materials produced by Latin-American countries. South America is the richest storehouse of potential industrial materials, including minerals, metals, oils, rare hardwoods, industrial diamonds and other products in the entire world, not excepting Africa, he added.

The number of forms that may be followed in determining the possible basis of cooperation which might be brought about through the tour include licensing of American processes to potential South American enterprises, direct exchange of technology for raw materials, or cooperative enterprise jointly financed in which American technology would be an essential requirement, Mr. Holland explained.

The group will leave Miami on March 17 and will return April 30. Included in the group are Dr. Harold Vagtborg, director of the Armour Research Foundation; John D. Gill, director of the Atlantic Refining Company; Robert B. Colgate, director of the Colgate-Palmolive Peet Company; H. W. Graham, director of metallurgy and research for the Jones & Laughlin Steel Corporation, and Orville Hardin, vice-president of the Standard Oil Company of New Jersey.

Drug Trade Probed in Phila.

OPD Washington Bureau
January 13, 1941

A second grand jury has been called by the Department of Justice to investigate charges of violation of the antitrust laws in the distribution and sale of drugs, medicinal preparations, surgical equipment, and related merchandise.

A Federal grand jury in Philadelphia, Pa., will investigate certain aspects of the surgical equipment industry and has issued fifty subpoenas to the principal corporations manufacturing surgical supplies and related materials requiring the submission of files and documents January 30 and 31.

For several months a Federal grand jury in the District of Columbia has technically been investigating the entire subject of distribution of drugstore merchandise, but as far as can be learned the documents sopoenaed are still being studied by Department of Justice agents and evidence has not actually been presented to the grand jurors.

It is probable that other sections of the investigation will be split off from the general study in Washington and presented to grand juries in other jurisdictions, but Department of Justice officials decline to predict future moves in the case.

Closing Markets

Cottonseed Oil Steady

A steady tone prevailed in the market for refined cottonseed oil futures on Friday, changes in prices being narrow. Final quotations showed a net decline for the week of about 10 points. Southern markets for crude oil remained firm. Soybean, corn, peanut and coconut oils were quiet but prices were maintained at previously advanced levels.

Tanning Material Outlook Good

There was no broadening in the demand for dyestuffs, textile and leather chemicals. Outlook for tanning materials was good. January shoe production was expected to reach 34,000,000 pairs, based on manufacturer's schedules, according to private estimates. Production a year ago was 33,885,000 pairs. December output was estimated at 30,500,000 pairs, against 23,690,000 pairs in December, 1939, an increase of 6.3 percent. Total output for 1940 would be approximately 397,800,000 pairs, compared with 424,136,000 pairs in 1939, a decline of 6.2 percent.

American Industry Probe By Sen. Wheeler Delayed

OPD Washington Bureau
January 15, 1941

Plans of Senator Wheeler to investigate the extent of foreign control of American industry have been indefinitely postponed, it became known this week, due to the senator's preoccupation with other matters.

Last week he believed he could begin hearings by the close of this month, but since then the senator was chosen one of the leaders of the opposition group to the President's lease-or-lend bill to aid Britain, and he has no time to devote to the inquiry.

Since the British aid bill is not expected to be passed before March, hearings will not be held until then, although the Department of Justice is continuing to gather material for the senator's use when he is ready to go ahead.

Intention to hear William Rhodes Davis, international oil man, on charges growing out of his dealings with Nazi Germany was put aside this week by the senator's subcommittee. Davis requested the postponement, claiming he was being called by too many other legislative and judicial agencies.

American Cyanamid Uses New Electron Microscope

An electron microscope, enabling scientists to picture minute objects at 100,000 times natural size, was recently placed in operation in the Stamford laboratories of the American Cyanamid Company. The unit, which is the first such microscope commercially built in America, was constructed by the research laboratories of the Radio Corporation of America in Camden, N. J.

Among the first of materials studied by American Cyanamid research

—*Continued on page* 31

Stream Pollution Bill Reintroduced in House

OPD Washington Bureau
January 13, 1941

The controversial stream pollution bill (H.R. 1110) which has been a bone of contention in Congress for several years has been reintroduced by Representative Brent Spence of Kentucky.

The bill would create a division of water pollution control in the U.S. Public Health Service charged with surveying pollution in navigable streams and making recommendations for its elimination. It would cooperate with State and local officials and its recommendations would be the basis for making Federal loans and grants for the construction of pollution control works.

The bill does not propose to make it a Federal offense to permit sewage, industrial waste, or other polluting material to reach a navigable stream. It was an amendment to do this which caused Congress to be dead-locked over the measure on several previous occasions.

Chemical Prices Lowered

There was a downward reaction last week in price views in the markets for heavy and fine chemicals. This had no definite significance, its most marked application being to lead arsenate.

The volume of business as a whole expanded noticeably, the influence of defense buying being variously evident. Longer commitments were being advised in some quarters. The tenor of the activity was wholly orderly.

Prices were advanced on Chinese and synthetic camphors, gum and steam-distilled wood turpentines, and domestic and imported tankage and dried blood.

Prices were reduced on lead arsenate, antimoniate of soda, gum rosin, cyclohexane, cyclohexanol, and cyclohexanone, and the corresponding methyl compounds.

The REPORTER'S composite index number of prices for heavy and fine chemicals declined to 131.4 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 93.0, compared with 90.7 at this time last year and 88.9 in 1939.

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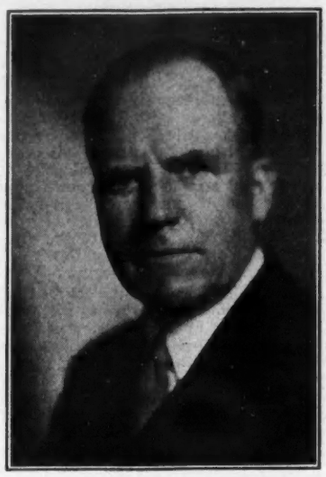
Obituaries

Carleton Ellis

Carleton Ellis, internationally known chemist and holder of more than 700 patents covering nearly every branch of the chemical arts, died unexpectedly January 13 in a hospital in Miami Beach, Fla. He was sixty-four years old.

Born in Keene, N. H., Mr. Ellis was graduated from the Massachusetts Institute of Technology in 1900, remaining as an instructor for two years,



Jay TeWinburn

Carleton Ellis

during which time he developed his first important invention, a paint and varnish remover. He started the manufacture of the remover with H. B. Chalmers, under the name of the Ellis, Chalmers Company, in Dedham, Mass. The business flourished, but the financial return was not sufficient to provide funds necessary to prosecute infringers of his patent, but with the help of a friendly attorney an important infringer joined with Mr. Ellis against others, resulting in the formation of the Chadeloid Chemical Company.

Mr. Ellis subsequently became associated with the Eldred Process Company, later consolidated with Henry L. Doherty's Combustion Utilities Corporation. For this organization he acted first as a consultant and later manager until 1907, when the Ellis, Foster Company was formed to formulate research patents and to publish books for research workers.

Credited with revolutionizing automobile paints by making the first durable lacquer from tung oil, soybeans and certain synthetic oils, Mr. Ellis, in an effort to develop a perfect paint, resorted to making resins synthetically, of which he has produced well over 100,000 such products. The commercial production of urea formaldehyde is said to have resulted largely from the research of Mr. Ellis. He owns a one-third interest in the Unyte Corporation, which manufactures his urea compounds and is one of the largest plastic manufacturers in the country.

His development of the tank and tube process of cracking oil, now used by the Standard Oil Company, for which he was a consultant, was one of his major achievements in the petroleum field. He also contributed to the development of Diesel motor fuels and invented a process for extracting isopropyl alcohol and acetone from petroleum. He also introduced the use of petroleum into the manufacture of soap as a substitute for fat. Mr. Ellis acted as a consultant for the Procter & Gamble Company, Cincinnati.

—*Continued on page 61*

T.J. Miley Made Secretary Of N.Y. Merchants Ass'n

Thomas J. Miley has been elected secretary of the Merchants Association of New York. He fills a vacancy created by the retirement of S. C. Mead, who has served as secretary of the association since the inception of the organization, in 1897. Mr. Miley has directed campaigns for many organizations, including "What Helps Business Helps You" program sponsored by the Merchants Association.

Gasmask Chemicals Big Defense Item

OPD Washington Bureau
January 13, 1941

Contracts to the total of approximately $10,000,000 have been concluded or are in the process of negotiation by the Chemical Warfare Service of the United States Army in connection with its projects for procurement of gasmask charcoal and other chemicals used in gas-defensive appliances.

The War Department said today that more than half of the total amount involved in this program is to cover the cost of construction of certain plants which will be owned by the government, though built by the firms concerned on a cost-plus-a-fixed-fee basis. The companies concerned in these projects are the Monsanto Chemical Company, St. Louis, the new plant of which is to be located at East St. Louis, Ill.; the Dow Chemical Company, Midland, Mich.; and E. I. Dupont de Nemours & Co., Niagara Falls, N. Y. On completion the plants will be operated by the companies.

Other companies contracting to furnish charcoal and other gasmask chemicals are:—

Atlas Carbon & Clay Company, Glendale, Cal.

Barnebey-Cheney Engineering Company, Columbus, Ohio.

Carbide & Carbon Chemicals Corporation, New York.

—*Continued on page* 31

Monsanto to Operate U.S. Unit without Profit

Monsanto Chemical Company has announced plans for the erection of a new chemical plant adjacent to its present establishment at Monsanto, Ill. Incident to the need of increased industrial capacity to meet the demands of the government for chemicals required in production of munitions. Under the terms of its contract with the government, the cost of the plant is to be defrayed by the government, which will retain title to the buildings and installations. The site for the new plant is ground owned by the Monsanto company, which has been leased to the government without charge.

The Monsanto company has especially requested, and the government has agreed, that the plant be operated and its products furnished at cost, no profit whatsoever accruing to the company.

The chemicals to be produced at this plant are to be used in connection with the manufacture of gas protective equipment for troops. These chemi-

—*Continued on page* 31

F.T.C. Order Hits 'Passing On' Discounts

OPD Washington Bureau
January 17, 1941

W. E. Robinson & Co., Inc., Bel Air, Md., has been ordered by the Federal Trade Commission to cease and desist from violation of the brokerage provision of the Robinson-Patman act. The respondent, according to findings, has been engaged in the business of field broker, acting as the agent of sellers in transactions of sale and purchase of canned fruits and vegetables between sellers thereof and jobbers, wholesalers, retail chain stores and other purchasers.

The order directs that the respondent cease granting or making any allowances or discounts in lieu of brokerage to any purchaser by selling commodities to any such purchaser at a price reflecting a reduction from the prices at which sales of the commodities are currently being effected by the respondent to other customers, such reduction being an amount representing, in whole or in part, brokerage currently being paid by the respondent to corresponding or local brokers for brokerage services or sales assistance rendered to the respondent in effecting sales of such commodities to other purchasers.

The order also directs that the respondent cease granting or allowing, in any manner, directly or indirectly, any commission, brokerage or other compensation or allowance or discount in lieu thereof to any purchaser in such transactions.

Hazardous Articles Trucking Rules Issued

OPD Washington Bureau
January 16, 1941

Detailed regulation for transportation and stowage of explosives and other dangerous articles and substances and combustible liquids on vessels have been issued by the Bureau of Marine Inspection and Navigation and are appearing in sections in the Federal Register beginning with the issue of January 11 and continuing all this week.

The regulations will become effective April 9, 1941, under the terms of the so-called Bland act of last year giving the bureau exclusive jurisdiction over water shipments which formerly was divided between it and the Interstate Commerce Commission.

Draft regulations were issued in November and a public hearing was held December 9 to 14. A number of changes have been made as a result of evidence at the hearing. Stowage provisions have been liberalized rather generally, particularly as to shipments on trucks and railroad cars on ferries, chemicals and combustible liquids on passenger vessels, the "basket" groups of inflammable liquids, inflammable solids, solvents, and oxidizing agents, as well as some individual chemicals.

In other cases, particularly with respect to nitrates, the bureau did not adopt proposed rules requiring the use of I.C.C. specifications for containers for shipping articles which need not be in such containers for rail shipment.

Wisconsin Corporation Tax Is Upheld

OPD Washington Bureau
January 13, 1941

The Supreme Court of the United States today stated its refusal to reconsider its decision given last month which held constitutional the Wisconsin law levying a tax on earnings of out-of-State corporations doing business within the State. The tax of 2.5 percent applies pro rata to corporation dividends on the basis of the value of business done in Wisconsin.

A rehearing of the December decision was sought by the Minnesota Mining & Manufacturing Company, the J. C. Penny Company, and the F. W. Woolworth Company, on the grounds that the decision had been based on an interpretation of the tax which they had not had opportunity to argue.

F.D.A. Starts Campaign To Curb Self-Medication

OPD Washington Bureau
January 16, 1941

Plans have now been perfected by the Food and Drug Administration to make effective its project to prevent over-the-counter sales of drugs and medicines which it believes should be sold only on the prescription of a physician.

The project, which will be one of the major F.D.A. enforcement efforts this year, will take the form of tightened regulations under section 502 (f) of the food, drug, and cosmetic act (announced in OPD January 13), seizure actions against manufacturers who mislabel products or permit over-the-counter sales of prescription products, cooperation with State health officials, and, in some cases, Federal action against retailers.

As a first step in launching this project, the Food and Drug Administration has released for publication the text of a letter recently sent to a manufacturer listing a large number of drugs which it considers unsafe for unsupervised use, either in any quantities or in excess of specified dosages. Most of these drugs have been similarly classified by the Administration from time to time in the past, but this letter contains a complete and current listing. It was released for publication for the purpose of giving unofficial notice to both manufacturers and retail druggists.

Prescription Legend Binding

For some time the administration has been taking action against distribution to the lay public of drugs considered dangerous for unsupervised use or in the dosages recommended on the label, but more recently it has turned to preparations labeled—"To be used only by or on the prescription of a physician." Under section 502 (f) drugs so labeled are exempt from the requirement that they bear directions for use on the label, and some manufacturers are said to have been using this prescription legend to avoid putting on directions when they knew that their products were likely to be sold over the counter. In a few cases manufacturers and retailers were found to be advertising such drugs to the public in spite of the prescription legend.

Drug manufacturers are now being told that they must take all necessary steps to prevent the general sale of their prescription-legend products, even to the extent of policing retail druggists who handle them. Both existing and proposed regulations under section 502 (f) provide that when such an article is sold otherwise than on prescription the exemption shall expire; this causes the drug to be misbranded in violation of the act and liable to seizure. Connivance by the manufacturer in such retail over-the-counter selling is held by the administration to be cause for seizing other

—*Continued on page* 50

Paint Types for Plant Camouflaging Asked

Buffalo, Jan. 15, 1941

Industrial camouflage, a new science which deals with the concealment of industrial plants from possible bombing attacks from the air, is likely to open up a new field of business for the paint industry, particularly if this country is actually threatened by invasion, Harry M. Bell, director of the Art Institute of Buffalo and originator of the first course in industrial camouflage in the country, declared before the January meeting of the Buffalo Paint, Varnish and Lacquer Association.

Paint is being used extensively in camouflage in England today, and in Germany all new military highways are being painted blue-black, Mr. Bell pointed out. He said that this trend will be followed in the United States unless the present emergency should suddenly come to an end.

Illustrating his talk with aerial photographs taken over the Niagara Frontier, Mr. Bell explained that concrete highways from the air look almost like white arrows pointing directly to important industrial objectives. To camouflage these highways

—*Continued on page* 41

F.W.D.A. to Conduct Merchandising Clinic

A merchandising clinic will be the newest and biggest feature of the midwinter meeting of the Federal Wholesale Druggists Association, February 4 to 6, in the Hotel Roosevelt, this city. The clinic will occupy the forenoon and afternoon sessions February 5.

This feature will be conducted jointly by the regular (wholesaler) and associate (manufacturer) members of the association. It will be opened by the president of the association, S. C. James, general manager for the Ellicott Drug Company, Buffalo, N. Y., and the presiding officer will be William D. Barry, New York manager for Mallinckrodt Chemical Works, St. Louis, who is chairman of the associate members section.

Here is the program:—

Forenoon Session—9:00 a.m.

Registration.

"What's Ahead for Merchandising?", Dr. Nathaniel H. Engle, adviser on distribution, Consumers Division, Advisory Commission to the Council of National Defense.

"Cooperating Selling," Hector Lazo, executive vice-president, Cooperative Food Distributors of America.

"Wholesaler and Retailer Promotion," Clyde Eddy, merchandising director, E. R. Squibb & Sons.

Question and answer period under the leadership of Kenneth A. Bonham, editor, *American Druggist*.

12:30 p.m. Joint luncheon in the main ballroom.

Afternoon Session—2:00 p.m.

"Modern Merchandising and the Anti-trust laws," Gilbert H. Montague, Esq.

"Sales Promotion as Doctors Like It," T. H. Jones, sales manager, Kalak Water Company, author of Detailing the Physician.

"Merchandising as a Publisher Sees It," Johnson Rogers, vice-president, Topics Publishing Company. Showing of film, "Drifting Dollars."

Question and answer period under the leadership of Hugh Craig, managing editor, Oil, Paint and Drug Reporter.

Effective Association Functioning Essential to Private Enterprise

By John M. F. Donovan, Jr.
Trade Association Counselor

II. Importance of Competent Executive Leadership

(*Continued from January* 13 *issue*)

The value of a trade association to its membership and to the industry it represents is dependent almost entirely upon the character of the executive officer and the individual members of the board of directors or the particular group which is responsible for the formulation and administration of the policies to be executed. If the executive officer or the governing body, or both, are not of the highest type, resulting friction, disinterestedness, half-hearted participation, and lack of enthusiasm will tend to characterize every activity undertaken by the trade association.

Essentials of an Executive

The executive officer of a trade association must face a variety of problems appropriate to his position, and for this reason he should be trained in organization psychology and should have a clear and distinguishing understanding of the respective functions that should be carried on by a trade association organization and by each individual company represented by the membership. He should be able to project his vision and understanding into the future so as to enable him to plan for the welfare of his industry's members on a basic and long-term basis, while at the same time recognizing and dealing with the immediate needs and problems which confront individual companies from day to day.

The personal conduct of the executive officer should be above reproach and as nearly as possible impartial in his relations both within his own industry and without the limits of his industrial group. He should maintain an attitude of complete frankness and follow an invariable and persistent policy of absolute openness in dealing with all types of trade association questions and problems—and personal matters. This attitude at once unquestionably establishes a fundamentally essential confidence in the executive officer by the membership and cements a feeling of permanence which will prevent an undesirable, frequent change of executive officer personnel.

The executive officer must have the courage to educate his membership regarding the necessity for establishing long-range policies which he considers are necessary or which he thinks will be beneficial in the fu-

—*Continued on page* 32

FINE CHEMICALS
Mallinckrodt
SINCE 1867

Quick Facts about

MALLINCKRODT NUTGALL PRODUCTS

This chart tells you at a glance why Mallinckrodt Tannin Products appeal to so many intelligent buyers. See for yourself the essential points about each grade. Isn't the grade you need there?

NUTGALL PRODUCTS

ACID GALLIC		
Average characteristics	N.F. VI	Technical
Appearance	Yellowish gray flaky powder	Light gray-brown powder
*Mesh	95% passes #120 sieve	100% passes #100 sieve
Bulk	35 fl. oz./lb.	30 fl. oz./lb.
Assay (% anhydrous acid)	92%	89%

ACID TANNIC			
Average characteristics	U.S.P. XI Fluffy	U.S.P. XI Powdered	Technical
Appearance	Pale yellow fluffy powder	Light yellow powder	Brownish yellow powder
*Mesh	100% passes #100 sieve	100% passes #180 sieve	#100 sieve 100% passes
Bulk	195 fl. oz./lb.	25 fl. oz./lb.	25 fl. oz./lb.

ACID PYROGALLIC				
Average characteristics	U.S.P. XI Resub. Medicinal	Cryst. Photo	Tech. Powder	Tech. Lumps
Appearance	White fluffy crystalline powd.	Small irregular white crystals	Dark gray-brown powder	Gray-black lumps
*Mesh	90% passes #100 sieve	Approx. 6-16 mesh	100% passes #100 sieve	Irregular lumps ½-1" diameter
Average bulk	65 fl. oz./lb.	30 fl. oz./lb.	38 fl. oz./lb.	
Melting point	131-133°C	130-132°C		
Average assay by sublimation			Approx. 75-85%	Approx. 75-85%

*All sieve sizes U. S. Standard.

Prices and Literature on these and other Nutgall products can be obtained by writing to Mallinckrodt either at St. Louis or New York.

Bottle or Barrel . . .
Mallinckrodt Spells Quality

MALLINCKRODT CHEMICAL WORKS

2nd & Mallinckrodt Sts., St. Louis, Mo. • 70-74 Gold St., New York, N. Y.

CHICAGO PHILADELPHIA MONTREAL TORONTO

Current Market Quotations

January 17, 1941

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RECEIVED JAN 20 1941 LIBRARY THE CHEMISTS' CLUB

When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lbs. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .08 - —
tanks, dlvd.....lb. .06 - —
Methyl (see M).
Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex. E. of Austin and Brownsville...lb. .08¾- —
l.c.l., same terms.....lb. .09 - .12
Acetic, conc'l or redist., 28%, bbls..100 lbs. 2.23 - 2.43
cbys., cs.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys., cs.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys., cs.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys., cs.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5% bbls.....100 lbs. 7.62 - 7.87
l.c.l., same terms.....lb. .09 - —
cbys.....100 lbs. 8.12 - 8.37
tanks.....100 lbs. 5.00 - 5.50
USP, bbls.....100 lbs.10.25 -10.50
cbys..100 lbs.10.75 -11.00
synth., 99.5%, al. dms.100 lbs. 8.43 - 8.68
tanks.....100 lbs. 5.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
C.P., dms.....100 lbs.13.50 -14.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys., cs.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys., cs.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys., cs.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys., cs.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11¼
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Adipic, fib. dms., works....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms.....oz. 2.00 - 2.05
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Beric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex whse...ton.108.00 - —
less than ton lots, ex whse..ton.113.00 - —
bbls., c.l., frt. alld...ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse...ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld...ton.111.00 - —
ton lots, ex whse...ton.123.00 - —

Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse..ton.128.00- —
USP, $23 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va...lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .12 - .13
Caproic, dms., works.....lb. .30 - .35
Carbolic (see Phenol).
Caprylic, dms.....lb. .17½- —
Castor oil, split, dms.....lb. .14¾- .15¼
Chlorosulphonic, d m s., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15¼- —
l.c.l., 5 tons, dlvd., N. Y., lb. .15¾- —
smaller quantities, dlvd., N.Y..lb. .10¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10 - .10½
Cottonseed oil, dist., dms....lb. .07¼- .07¾
tanks.....lb. .06¾- —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis...gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms, c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
imported, pale, dms...gal. .63 - .65
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S..gal. .43 - —
l.c.l., same basis.....gal. .44 - .45
tanks, dlvd., East. U.S.gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .49 - —
l.c.l., same basis....gal. .50 - .51
tanks, dlvd., East. U.S.gal. .448 - —
Crotonic, 10 bbls. or more, dlvd..lb. .21 - —
smaller lots, dlvd.....lb. .26 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10¼- —
l.c.l., 25 cbys. and over.lb. .11 - —
1-24 cbys.....lb. .11½- —
Fumaric, bbls., 1-ton delivery., lb. .24 - —
smaller lots.....lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
N.F. VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys..... lb. 2.42 - —
5-lb. bots.....lb. 2.63 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, 10% dilute, cby. lb. .20 - —
concentrated, 34%, cby.....lb. .35 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works. ..lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06¼
rubber, dms.....lb. .08 - .08¼
48%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .11 - —
52%, lead, cbys.....lb. .13 - —
rubber, dms.....lb. .12 - —
60%, lead, cbys.....lb. .14 - —
rubber, dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09½
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11¼
5 to 19, cbys.....lb. .11 - .12
1 to 4, cbys.....lb. .11½- .12¾

Acid, lactic, plastic grade, bbls., cbys., 20 or more..lb. .12¾- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¼- .14½
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .42 - .45
USP, VIII, 75%, cbys.....lb. .40 - .45
Lauric, dist., tech., dms.....lb. .12 - .12½
Laurent's, bbls.....lb. .43 - —
Linseed oil, light, dms.....lb. .12½- .13
Maleic, powd., dms.....lb. .20 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l.....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P. dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .06 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .16 - .16½
Naphthenic, dom., acidity 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb. 9.60 - —
5-lb. bots.....lb. 9.50 - —
1-lb. bots.....lb.10.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works....100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24 works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over.....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palmitic, bgs.....lb. .09¾- .10¼
Palm oil, white, dist., dms..lb. .06¾- .07¼
tanks.....lb. .06¼- —
Phenylacetic, bots.....lb. 1.75 - 2.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1.347, cbys., 70 lbs..lb. .12 - —
dms., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.20 - —
cns.....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.20 - —
Pyroligenous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works.....lb. .27 - —
l.c.l., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, CP, bbls., works....lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .08¼- .08¾
Stearic, dist., double pressed, bgs., dlvd..lb. .10 - .11
single pressed, bgs., dlvd..lb. .09½- .10¼
triple pressed, bgs., dlvd. .12¾- .13¾
saponif., double pressed, bgs., dlvd..lb. .10¾- .11¼
triple pressed, bgs., dlvd..lb. .13 - .14

Acid, succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E, works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
Tannic, tech., bbls., dms....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment.....lb. .51½- —
smaller quantities....lb. .52 - —
kgs.....lb. .52½- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Chem. grade, kgs., works..lb. No prices
Aconite, leaves, bls.....lb. .38 - .42
Root, bls.....lb. .45 - .50
Aconitine, amorph., bots.....oz.23.00 - —
vis.....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vis.....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .26½- .27
hyd., dms.....lb. .24½- .25
Agar, 1, bls.....lb. 1.50 - 1.55
3, bls.....lb. No prices
Agaric, white, bls.....lb. 5.00 - 5.25
Albumen, blood, dark, flake, bags, f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. .63 - .68
powd., dms., bbls.....lb. .70 - .75
import, cs.....lb. .76 - .79
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .121 - —
l.c.l., frt. alld.....lb. .131 - —
tanks, frt. alld.....lb. .111 - —
normal, dms., l.c.l., wks...lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns.....lb. .68 - —
drums.....lb. .63 - —
Butyl, normal, cns., works...lb. .14½- .16¼
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld.....lb. .09½- —
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .08¾- —
l.c.l., same terms.....lb. .08¾- —
tanks, same terms.....lb. .07¼- —
tertiary, denaturing, c.l., dms..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks.....lb. .11½- —
Capryl, pure, dms., works....lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .32½- —
l.c.l., works, dms.....gal. .37½- —
tanks, E., works.....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .31½- —
19 bbls., E. works...gal. .33½- —
1 to 18 bbls., E. works, gal. .36½- —
dms., c.l., E. works...gal. .30½- —
19 dms., E. works...gal. .32½- —
1 to 18 dms.....gal. .35½- —
tanks, E. works.....gal. .24½- —

Anhydrous 3c. per gal. higher.

SD2B, dms., c.l., works, E. 19 dms., works, E....gal. .28½- —
1 to 18 dms., works, E. gal. .33½- —
tanks, E. works.....gal. .22½- —
SD23G, works, E., c.l., dms., gal. .34½- —
19 dms.....gal. .36½- —
1 to 18 dms.....gal. .39½- —
tanks .....gal. .28½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.

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Aluminum, Calcium, Magnesium, Zinc

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Alcohol, special solvent, dms., c.l., works..gal. .31½- —
20 dms., to c.l.....gal. .33½- —
1 to 19 dms.....gal. .36½- —
tanks, E works.....gal. .25½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .09½- —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .08½- —
tech., dms., c.l., dlvd.....lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Ethyl, 190 pf., ex. molasses, dms., c.l.....gal. 6.00½- —
19 dms.....gal. 6.04 - —
5 to 18 dms.....gal. 6.07 - —
1 to 4 dms.....gal. 6.07 - —
tanks .....gal. 5.94½- —
absolute, dms., c.l.....gal. 6.35½- —
19 dms.....gal. 6.39 - —
5 to 18 dms.....gal. 6.42 - —
1 to 4 dms.....gal. 6.42 - —
Ethyl alcohol in bbls. 1c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .35 - —
Isobutyl, refd., dms., works..lb. .0790- —
tanks, same terms.....lb. .0690- —
Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .55 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .55 - .42
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.80 - 3.35
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .70 - —
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y.lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .60 - .65
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .42 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - 3.60
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - 3.64
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .90 Nom.
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd. N.Y., Phil...100 lbs. 3.50 - —
lump, bbls., works....100 lbs. 3.75 - —
dlvd. N.Y., Phil...100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N.Y., Phil...100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd. N.Y. price apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 3.75 - —
dlvd. N. Y., Phila...100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
dlvd. N.Y., Phila...100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd. N.Y., Phila...100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash, chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd...lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers...lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd. lb. .45 - —
solut., 52%, bbls., c.l., dlvd..lb. .69½- —
l.c.l., 10 or over, dlvd. lb. .11 - —
1 to 9, dlvd.....lb. .12 - —
normal, pwd., bbls., dlvd. lb. .22 - —
smaller containers, dlvd. lb. .35 - —
solut., 20%, bbls., c.l., dlvd..lb. .09 - —
l.c.l., 10 or over, dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30% solut., bbls., c.l., dlvd..lb. .12 - —
l.c.l. dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0280- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0280- —
Alumina, hydrate, light, bgs., c.l., dlvd..lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .18 - —
l.c.l. .....lb. .19 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½- —
ink, dms., 1,500 lbs.....lb. .70½- —
standard, dms., 1,500 lbs..lb. .87½- —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .87 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs..lb. .44 - —
lining, dms., 1,500 lbs.....lb. .37 - —
standard, dms., 1,500 lbs..lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz.15.00 -25.00
Aminomethylpropanol, dms., works..lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd.....lb. .28 - .26
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va.....ton.90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys..... .lb. .05¼- —
dms., c.l.....lb. .02¾- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs., or less.....lb. .42 - —
Bicarbonate, dms., dlvd., Met. N.Y..lb. .0564- .0614
Bichromate, bbls.....lb. .20 - .22
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, dms., dlvd., Met. N.Y..lb. .06¼- .06¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech., (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.85 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs.....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. 1.55 & .79
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- .15
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, Jan.-June shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works..lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
Red, 45%, cbys., works...lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33⅓, cbys., works..lb. .08 - —
dms., works .....lb. .06 - —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac), sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, cake.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
cns., works.....lb. .16 - .18
ex Pentane, dms., c.l., frt. alld..lb. .115 - —
l.c.l., frt. alld.....lb. .125 - —
tanks, frt. alld.....lb. .10½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works. lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .40
import., natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .30 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .22½- .23
Cyprus, bgs.....lb. .23 - .23½
Mexican, bgs.....lb. .21½- .23
Star .....lb. .28 - .24
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06¼- .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, brown, Bolivian, 67%.. lb. .16 - —
Chinese, black, 70%.....lb. .25 Nom.
Oxide, bgs., c.l., dlvd.....lb. .12 - .13
l.c.l., dlvd.....lb. .13½- .14½
Salt, 65%, dms.....lb. .28 - —
bbls. .....lb. .30 - —
White pigment, bgs.....lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots.oz. 5.25 - 6.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. 2.00 Nom.
Root, bls.....lb. .55 - .57
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No price
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03¼- —
l.c.l. .....lb. .04¼- —
Asafetida, cs.....lb. .36 - .37
powd., bbls., bxs.....lb. .54 - .55
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l., (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons) Canad. mines—ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.28.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l., (30 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .06 - —
smaller lots, f.o.b. plant, lb. .06 - —
California, dms., c.l., f.o.b. N.Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y...ton.85.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y., lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.00 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.32.90 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz. 6.75 - 7.50
Sulphate, bots.....oz. 5.45 - 6.50

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No Prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.42.00 - —
precip., bgs., c.l., works..ton.45.00 - —
l.c.l., works.....ton.50.00 - —
bbls., c.l., works.....ton.50.00 - —
l.c.l., works.....ton.55.00 - —

Alcohol—Bismuth Trioxide

Barium carbonate, sulphur-free, c.l., works..ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Chlorate, kgs.....lb. .45 Nom.
Chloride, CP, cryst., bbls....lb. .25 - —
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis ton.90.00 - —
bbls., same basis...ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis...ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis...ton.96.00 - —
Zone 3, bgs., c.l. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton.97.00 - —
bbls., same basis...ton.99.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis...ton.102.00 - —
Zone 4, bgs., c.l. dlvd., Wash., Ore., Calif., Nev..ton.93.00 - —
bbls., same basis..ton.95.00 - —
l.c.l., bgs., same basis.ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .16 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.82 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09½- .10½
Oxide, ungrd., dms., c.l., works. lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....fb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis, ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York....ton.31.50 - —
Southern off color, bulk mines, ton.12.00 - —
95.75%, bulk mines.....ton.16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.l.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No price
l.c.l., ex whse.....ton. No price
ungrd., bulk, c.l., ex dock.ton. No price
Italian, grd., bbls., c.l., ex dock, t.a..ton. No price
l.c.l., ex whse.....ton. No price
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .16
Belladonna leaves, bls.....lb. 1.75 - 1.80
Root, bls.....lb. 2.00 Nom.
Bentonite, 200 mesh bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .50
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans..lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb.16.75 -17.25
Hydrochloride, cns.....lb.16.75 -17.25
Sulphate, cns.....lb.16.75 -17.25
Berberis root, bls.....lb. .12 - .18
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.85 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots., cns.....lb. 1.82 - 2.08
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 2.03 - —
fib. dms.....lb. 2.00 - —
Subgallate, bots., cns.....lb. 1.77 - 2.08
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 2.99 - —
Subnitrate, powd., bots., cns..lb. 1.57 - 1.95
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 60-80%, bots...lb. 2.20 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —

Bism'th Ammo. Cit.—China Clay

Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. 10 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., bgs., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E..lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03075- —
f.o.b. North Atlantic ports..lb. .03950- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07025- —
dlvd..lb. .07025- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02925- —
f.o.b. North Atlantic ports..lb. .02925- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .08525- —
dlvd..lb. .08525- —
bulk, cars, c.l., f.o.b. plants, lb. .02¾- —
f.o.b. New York harbor..lb. .0363- —
All carbon black prices are for delivery in August-September.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works.....lb. .06 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .29 - .30
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .28
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis..ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.75 - —
high-grade, ex., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 2.90 - —
import, bgs., c.i.f. ports, ship., unit-ton. 2.50 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .90
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .32 - —
regular, same basis, contracts, lb. .33 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 2.75 - —
Victoria, kgs.....lb. 3.15 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls., 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blue mass, USP, ens., tubs..lb. 1.67 - 1.84
powd., cans, dms.....lb. 1.80 - 1.92
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 -35.00
import, bgs., c.i.f. ports..ton.32.00 -32.50
Bone, meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.33.00 -35.00
import, bgs., c.i.f. ports..ton.31.50 - —
Phosphate, recip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.35.00 - —
import, 1% ammonia, 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .45 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse..ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
bgs., c.l., frt. alld....ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.34.00 - —
bbls., c.l., frt. alld....ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .[illegible] - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, ens., dms., over 10 lbs..lb. .60 - .65
moulding, ens., dms., over 10 lbs..lb. .80 - 1.00
printing ink, ens., dms., over 10 lbs. .85 - 1.20
radiator, ens., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .12 - .13
Brown, iron oxide, paste, precip., cks., f.o.b. N.Y..lb. .11¼- —
Metallic, iron oxide, bbls., wks. lb. .02¼- —
paper bgs., c.l., works.....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .13 - —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .09½- —
5, bbls., same basis....lb. .09½- —
6, bbls., same basis....lb. .09 - —
7, bbls., same basis....lb. .08¾- —
8, bbls., same basis....lb. .08½- —
9, bbls., same basis....lb. .08 - —
10, bbls., same basis....lb. .08 - —
11, bbls., same basis....lb. .07½- —
12, bbls., same basis....lb. .07 - —
13, bbls., same basis....lb. .06¾- —
14, bbls., same basis....lb. .06¼- —
raw, American, bbls., f.o.b. works..lb. .02½- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .13¼- —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .12¼- —
4, bbls., same basis....lb. .10¼- —
5, bbls., same basis....lb. .10¼- —
6, bbls., same basis....lb. .09¼- —
7, bbls., same basis....lb. .09¼- —
8, bbls., same basis....lb. .08 - —
9, bbls., same basis....lb. .07½- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .05¾- —
Umber, American, bbls., works, lb. .03¼- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04½- —
St. Louis.....lb. .05 - —
l.c.l. ex car Los Angeles, Portland, San Francisco, Seattle..lb. .05¼- —
ex whse, Los Angeles, Portland, San Francisco, Seattle..lb. .05⅝- —
Boston.....lb. .04¾- —
Chicago, Indianapolis, New Orleans..lb. .05¼- —
Kansas City.....lb. .05⅝- —
Minneapolis.....lb. .0535- —
Pittsburgh.....lb. .05 - —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .62 - .65
Buckthorn bark, true, bls.....lb. .80 Nom.
cut and sifted, bbls.....lb. No prices
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .35 - .40
Burgundy pitch, dom., dms...lb. .06 - .06½
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks. lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld....lb. .09½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .08¼- —
dms., l.c.l., same terms..lb. .08¾- —
tanks, same terms.....lb. .07¼- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l. works...lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l.....lb. .22 - —
Crotonate, normal, 55-gal. dms., dlvd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks.....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms. frt. alld. Met. N. Y..lb. .60 - —
Butane, coml., 16-24# tanks, group 3..gal. .02½- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single, jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Cyanide, 25-lb. bots., dlvd...lb. 2.00 - —
25-lb. cks., dlvd.....lb. 2.50 - —
Cadmium iodide, 5-lb. bots....lb. 4.19 - —
25-lb. cans.....lb. 4.05 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .85 - —
ingots or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms..lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lb. cns.....lb. 2.70 - —
1,000 lbs. or more, 100 lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. dms.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10 lb. cns..lb. 3.15 - —
5 lb. cns.....lb. 3.10 - 3.25
Citrated, bots.....lb. 2.30 - 2.35
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .80
Calamus root, peeled, N. F., cs., lb. No prices
bleached, bls.....lb. 1.00 - 1.25
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l.....lb. .06¾- —
Southern cotton states, dms., c.l.-lb. .06 - —
l.c.l.....lb. .06¼- —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse.100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-82%, dms., c.l., dlvd..ton.30.50 -35.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms.....lb. .55 - .57
cns.....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms.....lb. 2.15 - 2.30
fluffy, dms.....lb. 2.00 - 2.15
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 25-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt. unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton..lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80% CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs.lb. .47 - .49
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lbs .75 - .80
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.70 - —
Camphor, natural, powd., cs..lb. .82 - .83
slabs, cs.....lb. .82 - .83
tablets, tins.....lb. .87 - .88
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .0330- .0350
Morocco, bgs.....lb. .04 - .04½
Turkish, bgs.....lb. .0340- .0360
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.50 - 2.55
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. .45 - .46
Morocco, bgs.....lb. .39 - .40
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
95%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl (see Amyl alcohol, tertiary).
Isobutyl (see Alcohol, isoamyl).
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52¾-gal. dms., c.l., frt. alld..gal. .65½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .96 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Carbon tetrachloride, Zone 4, 52½-gal. dms., c.l., gal. .83 - —
l.c.l.....gal. .90 - —
5 or 10-gal. dms., c.l., gal. 1.07 - —
l.c.l.....gal. 1.17 - —
All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.
Cardamom, bleached, cs.....lb. 1.15 - 1.50
decorticated, cs.....lb. .86 - .88
green, Ceylon, afloat, bgs...lb. .85 - .87
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .15 - .16
Case - hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Cassia, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .12¾- .13¾
5 tons, works.....lb. .14¼- —
smaller lots, works....lb. .14¾- —
80-100 mesh, bgs., c.l.....lb. .13 - .14
5 tons, works.....lb. .13¼- —
smaller lots, works....lb. .14 - —
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .12¼- —
80-100 mesh, bgs., c.l., duty paid..lb. .12½- .12¾
French, 30 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .16¼- .17
No. 1, regular, bls.....lb. .16½- .16½
shortsticks, bls.....lb. .12½- .13
broken, bls.....lb. .10½- .11
China, buds, bags.....lb. .12 - .12½
Rolls, select, bls.....lb. .11 - .11½
broken, extra, bls.....lb. .09¾- .10¼
Saigon, No. 1, 4-10-4, bls....lb. .18¾- .19¼
10-6-2, bls.....lb. .19¼- .19¾
all thin, bls.....lb. .21 - .21½
Cassia fistula, bakts.....lb. .15 - .16
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't., c.i.f. N.Y..ton.81.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .65 - .67
Indian.....lb. .24½- .25
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .90 - —
Acetate-butyrate, high (20-40% bntyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld.....lb. .47 - —
smaller pkgs, works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld.....lb. .43 - —
smaller pkgs, works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld.....lb. .45 - —
smaller pkgs, works.....lb. .46 - —
Acetate - propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld.....lb. .47 - —
smaller pkgs, works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld.....lb. .43 - —
smaller pkgs, works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .46 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld.....lb. .45 - —
smaller pkgs, works.....lb. .46 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs...lb. 1.00 - 1.25
Roman, bls.....lb. 2.00 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.46 - —
Colo.....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis..ton.27.00 - —
Indiana.....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia.....ton.25.00 - —
Kansas, El Paso, Tex., ton.26.00 - —
Michigan.....ton.32.80 - —
Ohio.....ton.32.80 - —
Penn.....ton.34.80 - —
Utah.....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02¼- —
l.c.l., bbls., works.....lb. .02⅝- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works..ton. 7.00 - —
200 mesh, bgs., c.l., works..ton.9.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 92.5%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila....ton.18.00 -25.00
powd., cks., l.c.l., ex whse., ton.45.00 - —

Chloral hydrate, bots., 1,000 lbs., lb.	.93	-	1.02
500 lbs. lb.	.96	-	1.05
100 lbs. lb.	.98	-	1.07
25 lbs. lb.	1.00	-	1.09
1-10 lbs. lb.	1.05	-	1.13
dms., 1,000 lbs. lb.	.90	-	—
500 lbs. lb.	.93	-	—
100 lbs. lb.	.95	-	—
Chlorinated rubber, standard, c.l., ctns., works. lb.	.32	-	—
100 lbs., ctns. lb.	.35	-	—
smaller lots. lb.	.38	-	—
Chlorine, liq., cyls., c.l., dlvd., N. Y. lb.	.05¼	-	—
contracts, dlvd., N. Y. lb.	.05¼	-	—
l.c.l., dlvd., N. Y. lb.	.07¼	-	—
tanks, single units, works, frt. equald. 100 lbs.	1.75	-	—
multiple unit, 3 or over, works, frt., equald., 100 lbs.	1.90	-	—
2, works, frt. equald., 100 lbs.	2.40	-	—
1, works, frt. equald., 100 lbs.	2.90	-	—
Chloracetophenone, tins, works. lb.	3.00	-	3.50
Chloroform, tech., 650-lb. dms. lb.	.20	-	—
100-lb. dms. lb.	.23	-	—
50-lb. dms. lb.	.23	-	—
USP, 650-lb. dms. lb.	.30	-	—
100-lb. dms. lb.	.32	-	—
50-lb. dms. lb.	.33	-	—
Chloropicrin, com'l, 150-lb. cyls., frt. alld. lb.	.30	-	—
100-lb. cyls., frt. alld. lb.	.35	-	—
25-lb. cyls., works. lb.	1.00	-	1.15
1-lb. bot., case 12, works. lb.	1.25	-	—
Chrome acetate, powd., 24%, bbls., dlvd. lb.	.13¼	-	—
solut. 8½%, cs., bbls. lb.	.05¾	-	—
Cake, bulk, c.l., works. ton.	16.00	-	—
Green (see Green, chrome).			
Oxide (see Green, chrome).			
Sulphate, pearls, dms., 100 lbs., lb.	.40	-	—
powd., dms., 100 lbs. lb.	.45	-	—
scale, dms., 100 lbs. lb.	.45	-	—
Trioxide (see Acid, chromic).			
Yellow (see Yellow, chrome).			
Chrysarobin, 5-lb. bot. lb.	5.00	-	—
Cinchona bark, quill, USP, 10 in., medium, cs. lb.	.75	-	.90
20 in., thick, cs. lb.	.75	-	.90
20 in., medium, cs. lb.	.75	-	.90
USP, broken quill, red, bgs., lb.	.20	-	.21
yellow, bgs. lb.	.20	-	.21
Cinchonidine, small crys., cns., 100 ozs. oz.	.89	-	—
Sulphate, N.F., cns. 100 ozs. oz.	.53	-	—

Cinchonidine buyers must pay a surcharge of 1c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs. oz.	.62	-	—
large cryst., cns. 100 ozs. oz.	.66	-	—
Sulphate, N.F., cns. 100 ozs. oz.	.42	-	—

Cinchonine buyers must pay a surcharge of 1c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced

Cinchophen, USP, 25-lb. fib. dms., lb.	3.60	-	—
1 and 5-lb. bots. lb.	3.70	-	3.80
100 lbs., dms. lb.	3.50	-	—
Cinnamic alcohol (see Alcohol, cinnamic).			
Aldehyde, f.c.c., cbys. lb.	.85	-	.90
Cinnamon, Ceylon, 2 bls. lb.	.15¾	-	.16¼
3 bls. lb.	.15½	-	.16
Citral, bots., cns. lb.	1.40	-	2.10
Citrine ointment, jars. lb.	.95	-	.97
Citronellal, bots., dms. lb.	.75	-	.80
Citronellol, bots., dms. lb.	1.60	-	1.85
Clove, Amboyna, bgs. lb.	.23	-	.23½
Madagascar lb.	.16¼	-	.16¾
Zanzibar lb.	.16	-	.16½
Clover tops, red, bgs. lb.	.35	-	.40
dom., bgs. lb.	.33	-	.35
Coaltar, coal-gas, crude, bbls., c.l., works. bbl.	7.50	-	7.75
l.c.l., works. bbl.	8.25	-	8.50
tanks, works. gal.	.07¼	-	.09
refd., bbls., c.l., works. bbl.	8.00	-	8.25
l.c.l., works. bbl.	8.75	-	9.00
tanks, works. gal.	.08½	-	.10
water-gas, crude, dms., c.l., works. dm.	7.50	-	—
l.c.l., works. dm.	8.25	-	—
refd., dms., c.l., works. dm.	8.00	-	—
l.c.l., works. dm.	8.75	-	—
Cobalt acetate, bbls., kgs., dlvd., lb.	.80½	-	—
Carbonate, powd., bgs., works, lb.	1.53	-	—
Chloride, kgs., works. lb.	.35	-	—
Hydrate, bbls. lb.	1.98	-	—
Linoleate, paste, 8%, dms. lb.	.21	-	—
solid, 8½%, bbls. lb.	.23	-	—
Oleate, bbls. lb.	.25	Nom.	
Oxide, black, kgs. lb.	1.84	-	—
Resinate, fused A, bbls. lb.	.13½	-	—
1 %, cobalt oxide, bbls. lb.	.13	-	—
2 %, cobalt oxide, bbls. lb.	.14	-	—
3½%, cobalt oxide, bbls. lb.	.17½	-	—
precip., dms., dlvd. lb.	.24	-	—
Sulphate, dms. lb.	.35	-	—
Cocaine, hydrochloride, 100 ozs., cns. oz.	9.75	-	—
Cochineal, gray, bgs. lb.	.27	-	.28
Teneriffe, silver, bgs. lb.	.33	-	.39
Cocoa butter, bulk, c.l., bgs. lb.	.13	Nom.	
Cocillana bark, bgs. lb.	.25	-	.30
Codeine, cns., 100 ozs. oz.	11.70	-	—
Hydrochloride, cns., 100 ozs. oz.	10.80	-	—
Phosphate, cns., 100 ozs. oz.	9.00	-	—
Sulphate, cns., 100 ozs. oz.	9.80	-	—
Codliver oil (see Oil, codliver).			
Cohosh, black, root, bls. lb.	.07	-	.08
Blue, root, bls. lb.	.07	-	.08
Colchicine, bots., cns. oz.	22.00	-	25.00
Colchicum seed, bgs. lb.	2.50	Nom.	
Collodion, USP, dms., 825 lbs. lb.	.12¼	-	—
cns., 25 lbs. lb.	.16	-	—
flexible, USP, dms., 825 lbs. lb.	.14½	-	—
cns., 25 lbs. lb.	.18	-	—
Colocynth pulp, bls. lb.	.55	-	.58
Colombo root, bls. lb.	.15	-	.16
Coltsfoot leaves, bgs. lb.	.35	-	.40
Condurango bark, bgs. lb.	.11	-	.15
Conium leaves, bls. lb.	.30	-	.32
Copaiba balsam, Para, cns. lb.	.25	-	.26
S.A., USP, cns. lb.	.27	-	.28
Copper acetate, normal, bbls., dlvd. lb.	.23	-	—
smaller containers, dlvd. lb.	.24	-	—
Carbonate, 52-54%, bbls. lb.	.16¼	-	—
Chloride, cryst., bbls. lb.	.16	-	—
Cyanide, tech., bbls. lb.	.34	Nom.	
edide, bots. lb.	5.15	-	5.19
Metal, electrolytic. lb.	.12	-	—
Nitrate, cryst., bbls. lb.	.16¼	-	—
Oleate, precip., bbls. lb.	.20	-	—
Oxide, black, 70-80%, bbls., tons, works. lb.	.18	-	—
Red, com'l, 80-89%, kgs., f.o.b. N.Y. lb.	.20½	-	—
Resinate, precip., bbls. lb.	.15	-	.16
Copper, sulphate, 99% cryst., bbls., c.l., f.o.b. works. 100 lbs.	4.75	-	—
l.c.l., 16-50 bbls., same basis, 100 lbs.	4.90	-	—
6-15 bbls., same basis, 100 lbs.	5.10	-	—
1-5 bbls., same basis, 100 lbs.	5.35	-	—
monohydrated, dms., c.l., dealers, f.o.b. works. 100 lbs.	9.30	-	9.55
l.c.l., dealers. 100 lbs.	10.30	-	10.55
Copperas, cryst., gran., bgs., c.l., works. ton.	17.00	-	—
bbls., c.l., works. ton.	20.00	-	—
l.c.l., 25 or over, works, 100 lbs.	1.85	-	—
1-4, works. 100 lbs.	2.00	-	—
bulk, c.l., works. ton.	14.00	-	—
Copra, Coast, shipt. lb.	.0170	Nom.	
Coriander, bgs. lb.	.08	-	.08½
bleached, bgs. lb.	.10	-	.10½
Corn sugar, tanners', chipped, bgs., c.l., dlvd. 100 lbs.	4.44	-	—
slabs, bbls., c.l. 100 lbs.	3.36	-	—
solid, bbls., c.l. 100 lbs.	3.48	-	—
Syrup, 42°, bbls., c.l. 100 lbs.	3.47	-	—
43°, bbls., c.l. 100 lbs.	3.52	-	—
Cornsilk, bls. lb.	.15	-	.16
Corrosive sublimate, cryst., dms., 50 lbs. or more. lb.	2.19	-	—
gran., powd., dms., 50 lbs. or more. lb.	2.04	-	—
Cottonroot bark, bls. lb.	.10	-	.11
Cottonseed, hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton.	1.10	-	—
meal, 8%, Southeast, mills. ton.	30.00	-	30.50
Coumarin, 5 lbs., or more, 25-lb. cns. lb.	2.75	-	3.00
5-lb. cns. lb.	2.85	-	3.10
1-lb. cns. lb.	3.00	-	3.25
1-oz. cns. lb.	3.35	-	3.60
less than 5 dms., cns. lb.	4.15	-	4.55
Cramp, bark, genuine, bls. lb.	.23	-	.24
so-called, bls. lb.	.06	-	.07
Cranesbill root, bls. lb.	.10	-	.15
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb.	.42½	-	—
smaller lots, bbls. lb.	.43	-	—
kgs. lb.	.43½	-	—
Creosote, beechwood, bots. lb.	No price		
hardwood, USP, bots. lb.	.45	-	.47
Pine, dms. gal.	.28	-	—
Carbonate, bots., cbys. lb.	1.90	-	2.29
Oil, crude, tanks, works. gal.	.13½	-	.14½
Coaltar, solution, tanks, works, gal.	.122	-	.132
refd., bbls., l.c.l., works. gal.	.25	-	—
tanks, works. gal.	.18	-	.18½
Cresol, USP, dms., c.l., works. lb.	.09¾	-	—
l.c.l., same basis. lb.	.10¼	-	—
special resin grade, dms., c.l., works. lb.	.08¾	-	—
l.c.l., same basis. lb.	.09¼	-	—
Crotonaldehyde, 97%, 55 and 110 gal., c.l., works. lb.	.11	-	—
l.c.l., works. lb.	.12	-	—
5 and 10 gal. dms., works. lb.	.15	-	—
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C. lb.	.19	-	.21

4% rotenone prices are 2c. per lb less.

Cubeb berries, XX, bgs. lb.	.35	-	.40
powd., cs. lb.	.40	-	.45
Culver's root, bls. lb.	.16	-	.17

Chloral Hydrate—Derris Ext.

Cumin seed, Morocco, bgs. lb.	.19½	-	.20
Cyprus, bgs. lb.	.19½	-	.20
Persian, bgs. lb.	.18½	-	.19
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid. lb.	.04½	-	—
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N. unit-ton.	1.40	-	—
Cyanide-chloride, mixture, 45%, gran., dms. lb.	.10¾	-	—
lump, dms. lb.	.09¾	-	—
75%, gran., dms. lb.	.15	-	—
Cychlohexane, 98-100%, dms., works. lb.	.16	-	—
Cyclohexanol, 98-100%, dms., works. lb.	.23	-	—
Cyclohexanone, 98-100%, dms., works. lb.	.32	-	—

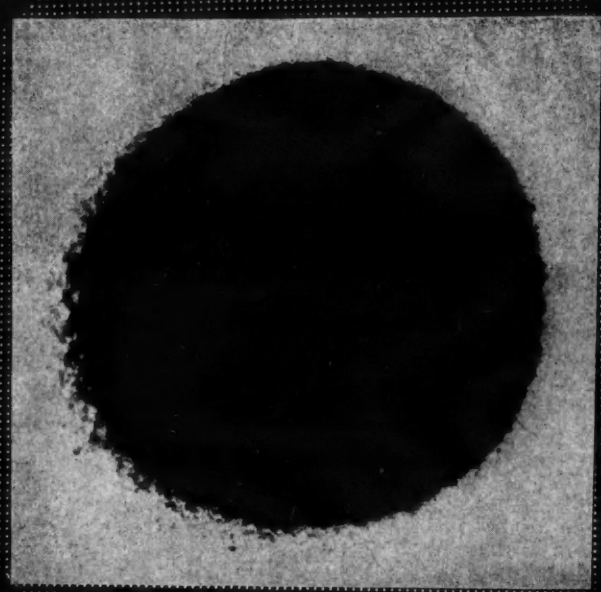
D

Damiana leaves, bls. lb.	.16	-	.17
Dandelion root, German, bls. lb.	.75	-	.80
Decanol, normal, tech., 360 lbs. dms., dlvd. lb.	.35	-	
Deertongue leaves, bls. lb.	.12	-	.14
Degras common, dom., bbls. lb.	.08	-	.08½
neutral, dom., bbls. lb.	.12¾	-	.16¼
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y. lb.	.21	-	.22

4% rotenone prices are 2c. per lb. less.

Derris, extract, 25% rotenone, bulk, cns. lb.	3.00	-	4.00

CARBON



BLACK

THE outstanding success of Witco carbon blacks is due in no small part to the company's research activity in improving the quality of this product and adapting it to the changing needs of industry. This activity today continues on a more intensive and extensive scale than ever before. In Wishnick-Tumpeer's new research laboratory, completely air conditioned and equipped with the finest facilities, our staff strives constantly to increase the efficiency of carbon black and to promote, through skilled laboratory cooperation, profit and economy for customers using this important material.

WISHNICK-TUMPEER, INC.

MANUFACTURERS AND EXPORTERS

New York, 295 Madison Ave. • Boston, 141 Milk St. • Chicago, Tribune Tower • Cleveland, 616 St. Clair Ave., N. E. • Dallas, Texas, 610 Dallas National Bank Building • Witco Affiliates: Witco Oil & Gas Company • The Pioneer Asphalt Company • Panhandle Carbon Company • Foreign Office, London, Eng.

BUY DIRECT AND PROFIT DIRECTLY

Dextrin—Glue, Bone

Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.10 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.20 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.85 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.05 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.80 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.00 - —
Potato, import, bgs.....lb. No stocks
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .095 - —
l.c.l., works.....lb. .095 - —
tanks, works.....lb. .20 - —
Oxalate, dms., l.c.l., works..lb. .21 - —
Phthalate, dms., c.l., divd...lb. .21½ - —
l.c.l., divd.....lb. .20 - —
tanks, divd.....lb. .20 - —
Sulphide, dms., l.c.l., works.lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .49 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific ct...ton.22.00 -25.00
l.c.l. ex whse.....ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard...ton.35.00 -39.00
l.c.l., ex whse.....ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .06 - —
l.c.l., ex whse.....lb. .10 - .16
import, bgs., c.l., c.i.f.....tons. No prices
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .51 - .53
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., divd...lb. .19 - —
l.c.l., divd.....lb. .19½ - —
tanks, divd.....lb. .18 - —
cns., works.....lb. .23½ - .24½
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom..lb. .50 - —
Dicalcium phosphate (See Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane dms., c.l., works, lb. .0221- —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½ - —
l.c.l., works.....lb. .24½ - —
tanks, works.....lb. .23½ - —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylcarbonate, coml., dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Oxalate, dms., l.c.l., divd....lb. .27 - —
Phthalate, dms., c.l., frt. alld, lb. .19 -
l.c.l. .....lb. .19½ -
tanks .....lb. .18 -
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylaniline, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14½ - —
l.c.l., works.....lb. .15½ - —
Monobutylether, dms., works..lb. .22½ - .24½
Monoethylether, dms., c.l., works..lb. .14½ - —
l.c.l., works.....lb. .15½ - —
tanks, works.....lb. .13½ - —
Digitalis leaves, dms.....lb. .35 - .40
Digiycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works.lb. .19 - —
Dillseed, reclaned, bgs.....lb. .08½ - .09
Dimethyl phthalate, dms., c.l., divd..lb. .18½ - —
l.c.l., divd.....lb. .19 - —
tanks, divd.....lb. .17½ - —
Dimethylaniliin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., divdlb. 1.00 - —
l.c.l., divd.....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls., 80° min..lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½ - —
oily, dms.....lb. .09 - —
Diorthotoluoiguanidin, dms., 2,000 lbs. or over, divd..lb. .44 - —
600-1,950 lbs., divd.....lb. .46 - —
150-450 lbs., divd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns.....lb. .50 - .55
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs., or over, divd..lb. .35 - —
600-1,950 lbs., divd.....lb. .36 - —
150-450 lbs., divd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian.....ton.32.00 - —
Venezuelan .....ton.35.00 - —
Doggrass root, cut, N.F., bls..lb. .60 - .65
Dogwood bark, Jamaica, bls.lo.lb. .08 - .10
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1 cns..lb.13.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
FD&C green, No. 2, cns....lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
Green, FD&C green, No. 1, cns, lb.13.50 - —
Orange, FD&C orange, No. 1, cns...lb. 2.90 - —
FD&C orange, No. 2, cns...lb. 3.62 - —
Red, FD&C red, No. 1, cns...lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 5.15 - —
FD&C red, No. 3, cns....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns...lb. 4.50 - —
FD&C yellow, No. 2, cns...lb. 2.62 - —
FD&C yellow, No. 4, cns...lb. 2.95 - —
FD&C yellow, No. 5, cns...lb. 3.15 - —
FD&C yellow, No. 6, cns...lb. 3.15 - —

Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 4.25 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns, lb.12.25 - —
Green, D&C green, No. 5, cns, lb.12.25 - —
D&C green, No. 6, cns.....lb.12.25 - —
Orange, D&C orange, No. 5, cns...lb. 4.25 - —
D&C orange, No. 4, cns...lb.15.25 - —
D&C orange, No. 10, cns...lb.15.25 - —
D&C orange, No. 11, cns...lb.17.25 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 4.25 - —
D&C red, No. 18.....lb.18.25 - —
D&C red, No. 19, cns.....lb.15.25 - —
D&C red, No. 22, cns.....lb. 4.25 - —
D&C red, No. 33.....lb.13.25 - —
D&C red. No. 37, cns.....lb.12.25 - —
Yellow, D&C yellow, No. 7, cns, lb. 4.25 - —
D&C yellow, No. 3, cns....lb. 4.25 - —
D&C yellow, No. 11.....lb.10.25 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext.D&C blue, No. 1, cns, lb.12.25 - —
Green, Ext.D&C green, No. 1, cns...lb.12.25 - —
Red, Ext.D&C red, No. 1, cns...lb.10.25 - —
Ext.D&C red, No. 3.....lb.21.25 - —
Ext.D&C red, No. 8.....lb. 7.25 - —
Ext.D&C red, No. 10, cns...lb.12.25 - —
Ext.D&C red, No. 12, cns...lb.12.25 - —
Yellow, Ext.D&C yellow, No. 1, cns...lb. 4.25 - —
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. 1.50 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .22 - .50
204 Chrome black A.....lb. 1.75 - 2.00
206 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
269 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B..lb. .60 - .65
320 Direct cost scarlet....lb. 2.00 - 2.25
504 Paper yellow.....lb. .83 - .90
565 Chryzophenin G.....lb. .58 - .70
594 Direct violet N.....lb. 1.25 - 1.35
582 Direct scarlet B.....lb. 1.50 - 1.75
587 Direct violet B.....lb. 1.00 - 1.20
401 Developed black BBN, lb. .48 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B...lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
520 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
598 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
696 Acid violet.....lb. 1.00 - 3.00
612 Primulin .....lb. .50 - .53
614 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .45 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
865 Nigrosin derivatives..lb. .38 - .62
Blue:—
1075 Alizarin astrol base...lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Orange, red shade....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin .....lb. .38 - .44
Blue:—
860 Indulin .....lb. .60 - .70
Brown:—
831 Bismarck brown.....lb. 1.50 - —
Green:—
837 Malachite green base..lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS....lb. 2.00 - —
Violet:—
690 Methyl violet base....lb. .85 - —

Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
240 Naphthol blue black B.lb. .50 - —
672 Methylene grey.....lb. 1.80 - —

Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .67 - —
909 New blue R.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B....lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y.....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G....lb. .40 - .52
332 Bismarck brown R....lb. .50 - .52
796 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.25 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
757 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange I.....lb. .80 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
188 Crocein scarlet 3BX...lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M....lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
788 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S....lb. .88 - —
128 Metanil yellow.....lb. .58 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .60 - .62
imported.....lb. .56 - .59
Elder flowers, bright, bls....lb. .60 - .65
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.22.00 -23.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, U.S.P. hemihydrate, tins, 1,000 oz...oz. .70 - —
100 ozs.....oz. .80 - —
anhyd., dms., 1,000-oz. lots.oz. .75 - —
100-oz. lots.....oz. .85 - —
Hydrochloride, tins, 1,000-oz. lots...oz. .55 - —
tins, 100-oz. lots.....oz. .65 - —
Sulphate, cryst., tins, 1,000-oz. lots...oz. .53 - —
tins, 100-oz. lots.....oz. .63 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., dom., bgs, c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bxs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 1.55 - 1.60
Eserine, bots.....oz.50.00 -60.00
Salicylate, bots.....oz.42.00 -54.00
Sulphate, bots.....oz.42.00 -54.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., 310 lb. dms., lb. .11 - —
cns., 27 lbs.....lb. .14 - —
Synth., dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .11 - —
tanks .....lb. .08 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .07½ - —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .06½ - —
95-98%, dms., c.l., frt. alld.lb. .07½ - —
l.c.l., frt. alld.....lb. .08½ - —
tanks, frt. alld.....lb. .06½ - —
N.F., 460-lb. dms.....lb. .10 - —
cns., 35 lbs.....lb. .14½ - —
Acetoacetate, dms., c.l., wks.lb. .27½ - —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
caproate, cns.....lb. 1.09 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 85-gal. dms., dlvd., lb. .35 - —
1-gal. cns.....lb. 1.00 - —
5 and 10-gal. dms., dlvd....lb. .75 - —
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 85-gal. dms., works..lb. .33½ - —
5-gal. dms., works.....lb. .37½ - .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots, cns.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
5,000 lbs. or more, frt. alld., lb. .47 - —
500 lbs. or more, frt. alld., lb. .48 - —
100 to 495 lbs., frt. alld..lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0693- —
West of Rockies, same basis..lb. .0743- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0746- —
West of Rockies, same basis..lb. .0792- —

Ethyleneglycol, dms., c.l.....lb. .14½ - —
l.c.l. .....lb. .15½ - .18½
tanks .....lb. .13½ - —
Monobutylether, dms., c.l., works..lb. .16½ - —
l.c.l., works.....lb. .17½ - .20½
tanks, works.....lb. .15½ - —
Monoethylether, dms., c.l., works, lb. .14½ - —
l.c.l., works.....lb. .15½ - .18½
tanks, works.....lb. .13½ - —
Monoethylether, acetate, dms., c.l., works..lb. .11½ - —
l.c.l., dms.....lb. .12½ - .15½
tanks, works.....lb. .10½ - —
Monomethylether, dms., c.l., works..lb. .15½ - —
l.c.l., works.....lb. .16½ - —
tanks, works.....lb. .14½ - —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .78 - .80
Eucalyptus leaves, bls.....lb. .11 - .13
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .08 - .09

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons..ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Argentine, bgs...lb. .13 - .16½
Indian, bgs.....lb. .13½ - .14
French, bgs.....lb. .35 Nom.
German, large, bgs.....lb. .33 Nom.
Roumanian, bgs.....lb. .14 - .14½
Fenugreek seed, bgs.....lb. .05 - .06½
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .12 - —
smaller lots, works....lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .13 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
Fir balsam, Canada, cns.....gal.16.00 -16.50
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures...unit-ton. 3.25 Nom.
meal, bgs., f.o.b. Balto....ton.39.00 Nom.
6-7% ammon., 3% phosphor. acid, bulk, So. Atlantic factories, contracts....unit-ton. 2.50 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports. Jan. shipt..ton. No prices
spot ton. No prices
Flake white, dom., bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, French, black, bgs...lb. .55 - .60
Indian, blonde, bgs.....lb. .09 - .10
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.29.00 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines.net ton.20.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines...net ton.20.00 - —
imported, 85.5, duty paid, short ton. No price
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .0565- —
tanks, works .....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines...ton.15.00 - —
import, bgs., c.l., ex dock..ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½ - .23
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½ - —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms. incl., divd., lb. .16 - .17½
Fustic extract, cryst., bbls.....lb. .24 - .25
liquid, bbls.....lb. .10½ - .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .43 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .06½ - .07
plantation, cases.....lb. .11 Nom.
Cubes, Singapore, cases....lb. .08½ - .09
extract, bbls.....lb. .09½ - .12
Gasoline at refinery:—
Bayonne, US motor, tanks, ex tax..gal. .05½ - .06½
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .13½ - —
Gulf Coast, US motor, 70-72 octane, tanks, ex tax..gal. .03¼ - .03½
Louisiana-Arkansas, US Motor, 72-74 octane, tanks, ex tax..gal. .04½ - .04¾
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax. gal. .04½ - .04¾
natural, 18-55, tanks....gal. .02¾ - .02¾
26-70, tanks.....gal. .02 - .02¾
Gelatine, silver, cs.....lb. .69 - .87
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .50 - .55
grd., bbls., bxs.....lb. .54 - .59
powd., bbls., bxs.....lb. .55 - .60
Geraniol, cns., dms.....lb. .60 - 2.00
Ginger, African, No. 1, bgs....lb. .07¼ - .07¾
Cochin, lemon, bgs.....lb. .10¾ - .11¼
Jamaica, bold, bgs.....lb. .12½ Nom.
medium, bgs.....lb. .11 Nom.
grinding, bright, bgs.....lb. .09½ Nom
Japanese, bgs.....lb. No stocks
Ginseng root, wild Southern, cs. lb.12.60 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.15
5 tons or over, works, 100 lbs. 1.05 - 1.25
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., divd..lb. .14 - —
l.c.l., divd.....lb. .14½ - —
36/38 bgs., c.l., divd....lb. .12½ - —
l.c.l., divd.....lb. .14 - —
58/62 bgs., c.l., divd.....lb. .15 - —
l.c.l., divd.....lb. .15½ - —

Glue, bone, 82/108 millipoise, bgs., c.l., dlvd..lb. .13½- —
l.c.l., dlvd.....lb. .16 - —
Hide, calcimine, type, 58 millipoise, 135 jellygrams, bgs., c.l., dlvd., East Middlewest..lb. .17 - —
l.c.l., same basis.....lb. .17½- —
60/164, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19 - —
67/122, bgs., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20 - —
75/222, bgs., c.l., same basis..lb. .22½- —
l.c.l., same basis.....lb. .23½- —
88/251, bgs., c.l., same basis, lb. .23½- —
l.c.l., same basis.....lb. .24½- —
92/283, bgs., c.l., same basis, lb. .24½- —
l.c.l., same basis.....lb. .25½- —
102/315, bgs., c.l., same basis..lb. .25½- —
l.c.l., same basis.....lb. .26 - —
113/347, bgs., c.l., same basis..lb. .26 - —
125/379, bgs., c.l., same basis..lb. .27 - —
l.c.l., same basis.....lb. .28 - —
Glue prices for barrel packing, ½c. lb higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, CP, cns., l.c.l.....lb. .14½- .15
dms., c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12½- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11¾- —
saponification, bases 88%, for industrial users, special colors, dms. returnable, c.l., dlvd..lb. .09½- —
l.c.l., same basis....lb. .10½- —
tanks .....lb. .08½- —
for refiners, dms., returnable, tanks, dlvd..lb. .08½- .08¾
soaplye, basis 80%, dms., tanks, returnable, dlvd..lb. .07½- .07¾
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol borborate, dms.....lb. .22 - —
Pathalate, dms.....lb. .26 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots...oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs....lb. .16 - .16¼
Goldenseal, root, bls.....lb. 2.65 - 2.70
powd., bxs.....lb. 2.95 - 3.00
Grains of paradise, bgs.....lb. .44 - .45
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06¼- —
amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works....lb. .02⅝- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03¼- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04¼- —
Grease, house.....lb. .04½ Nom.
white .....lb. .05¼ Nom.
yellow .....lb. .04½ Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
Blue content, 11-15%, bbls., same basis..lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.) Miss., N. C., S. C., Tenn., Texas (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis, lb. .06¾- —
11-13%, bbls., same basis, lb. .07¼- —
14-16%, bbls., same basis, lb. .07½- —
17-19%, bbls., same basis, lb. .07¾- —
20-21%, bbls., same basis, lb. .08 - —
22-23%, bbls., same basis, lb. .08¼- —
24-26%, bbls., same basis, lb. .08½- —
26-27%, bbls., same basis, lb. .08¾- —
28-29%, bbls., same basis, lb. .09¼- —
30-31%, bbls., same basis, lb. .10 - —
32-33%, bbls., same basis, lb. .11¼- —
34-35%, bbls., same basis, lb. .12¾- —
36-40%, bbls., same basis, lb. .14½- —
41-45%, bbls., same basis, lb. .16¼- —
46-50%, bbls., same basis, lb. .16¾- —
51-55%, bbls., same basis, lb. .17¼- —
56-60%, bbls., same basis, lb. .17¾- —
61-65%, bbls., same basis, lb. .18¼- —
66-70%, bbls., same basis, lb. .19¼- —
71-75%, bbls., same basis, lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .23
Tetrahydroxide, bbls.....lb. .20 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 2.50 - —
emerald, kgs.....lb. 2.25 - —
Verditerio (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .80 - .85
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.65 - 1.67
Carbonate, fib. dms., 25 lbs...lb. 2.40 - 2.74
Guarana powd., cs.....lb. 1.20 - 1.25
Gum, aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .14 - .15
white, sorts, 1, bgs.....lb. .85 - .86
powd., bbls.....lb. .18 - .20
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.65 - 1.75
Sumatra, cs.....lb. .19 - .20
Cammor (see C).
Chicle, prime, 32% moisture, bgs., ton lots..lb. No price
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or sx whse., N. Y. or San Fran..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices on 30,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ½c. higher for 10 bgs. or over; ½c. higher for 1-9 bags
2, water white, bgs., c.l., same basis.....lb. .20½- —
3, selected pale straw bold, bgs., c.l., same basis.lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22¾- —
6, pale amber bold, bgs., c.l., same basis.....lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. 17
Gum, copal, 9, medium light amber bold, bgs., c.l., same basis..lb. .13¾- —
10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .13¾- —
11, hard dark amber bold, bgs., c.l., same basis.lb. .12¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¾- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .10¼- —
19, pale straw nubs, bgs., c.l., same basis..lb. .13¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12¾- —
22 small mixed nubs, bgs., same basis..lb. 10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾-
Gum, copal, Batu, bold scraped, bgs., c.l., same basis..lb. .06½- —
unscraped, bgs., c.l., same basis..lb. .06 - —
chips, bgs., c.l., same basis, lb. .06¼- —
dust, bgs., c.l., same basis, lb. .06¼- —
nubs and chips, bgs., c.l., same basis..lb. .06¼- —
black, bold, scraped, bgs., c.l., same basis..lb. .08¾- —
unscraped, bgs., c.l., same basis..lb. .05¾- —
nubs and chips, bgs., c.l., same basis..lb. .06¼- —
Hiroe Macassar, pale bold, bgs., c.l., same basis..lb. .12¾- —
chips, bgs., c.l., same basis, lb. .06¾- —
dust, bgs., c.l., same basis, lb. .03¼- —
nubs, bgs., c.l., same basis..lb. .10½- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15¾- —
chips, bgs., c.l., same basis, lb. .06¾- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .13¾- —
light, bskts., c.l., same basis..lb. .15¾- —
Loba A, bskts., c.l., same basis..lb. .11¾- —

RCI Chemical Colors

C.P. Ferndale Greens

Among the most outstanding advantages formulators have found in using RCI's C.P. Ferndale Greens are their superior strength, lightfastness, cleanness and easy grinding qualities.

No C.P. (Nitrate) Chrome Greens currently available surpass the Ferndale shades in cleanness, brilliancy and lack of chalkiness in full tones or clarity and brightness in tints. All standards may be blended to intermediate colors which are clean and true to shade. Color change during drying has been reduced to a new low as have been reactivity, floating, pitting and seeding tendencies.

If you are not already familiar with the characteristics and specifications of RCI Ferndale Greens, write for more complete information. Samples will be promptly furnished on request.

RCI WORLD-WIDE DISTRIBUTION

REICHHOLD CHEMICALS, INCORPORATED
CHEMICAL COLOR DIVISION
Factory: BROOKLYN, N. Y. General Offices: DETROIT, MICH.

Gum, Copal—Lime

Gum, copal, Manila, Loba, B, bskts., c.l., same basis..lb. .11¾- —
C, bskts., c.l., same basis lb. .11¼- —
CNE, bskts., c.l., same basis..lb. .08½- —
D, bskts., c.l., same basis. lb. .12¾- —
DK, bskts., c.l., same basis. lb. .09 - —
dust, bskts., c.l., same basis..lb. .08 - —
Sambas and white split chips, bskts., c.l., same basis..lb. .13¾- —
Singapore, dust, bskts., c.l., same basis..lb. .08 - —
Spirit-soluble, CBB, bskts., basis..lb. .10¾- —
DBB, bskts., c.l., same basis..lb. .10 - —
MA, bskts., c.l., same basis. lb. .07¾- —
MB, bskts., c.l., same basis. lb. .07¼- —
WS, bskts., c.l., same basis lb. .10 - —
A/D, cs., c.l., same basis lb. .13¾- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. nom. - —
chips, pale, bskts., c.l., same basis..lb. 11¾- —
pale, small, bskts., c.l., same basis..lb. .09 - —
extra pale sorts, bskts., c.l., same basis..lb. .10¾- —
nubs, bskts., c.l., same basis..lb 13¼- —
scraped, bskts., c.l., same basis..lb. .14¾- —
seeds and dust, bskts., c.l., same basis..lb. .08¾- —
Pontianak, hold, genuine bags., same basis..lb. .15¾- —
mixed, bgs., c.l., same basis, lb. .14¾- —
split, bgs., c.l., same basis, lb. .13¾- —
chips, bgs., c.l., same basis, lb. .10 - —
nubs, bgs., c.l., same basis. lb. .12¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21¾- —
A/C, cs., c.l., same basis.lb. .15¼- —
A/E, cs., c.l., same basis.lb. .12¾- —
B, cs., c.l., same basis...lb. .20¼- —
C, cs., c.l., same basis...lb. .14¾- —
D, cs., c.l., same basis...lb. .13¼- —
dust, cs., c.l., same basis.lb. .07¾- —
E, cs., c.l., same basis...lb. .10 - —
F, cs., c.l., same basis...lb. .08 - —
Singapore, 1, cs., c.l., same basis..lb. .16¾- —
2, cs., c.l., same basis....lb. .12¼- —
3, cs., c.l., same basis....lb. .07¼- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis.lb. .07¼- —
seeds, cs., c.l., same basis.lb. .09¼- —
Elemi cns., c.l., same basis as copal..lb. .06½- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del. and Md. 75,000 lbs., contrs. or single shipt., 10,000 lbs. .....lb. .06¼- .06¾
less than 10,000 lbs., same basis..lb. .06½- .07
dlvd, Western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va. and N. C., 75,000 lbs., contrs. or straight, c.l..lb. .06¾- .07
dlvd. elsewhere, 75,000 lbs., contrs. or straight, c.l..lb. .07 - .07½
l.c.l. same basis.....lb. .07¼- .07¾
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.05 - 1.10
Gamboge, pipe, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Ghatti, soluble, bgs.....lb. .11 - .14
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin)
Karaya, bbls., bxs, dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l.lb. .60 - —
BX, cs., c.l., same basis...lb. .38 - —
B1, cs., c.l., same basis...lb. .28 - —
B2, cs., c.l., same basis...lb. .24 - —
B3, cs., c.l., same basis...lb. .18¼- —
80%, chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17¾- —
Kino, tins.....lb No prices
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs.....lo. 1.30 - 1.60
Myrrh, USP, cs.....lb 45 - .50
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .25
Opium (see O).
Rosin (see R).
Sandarac, cks.....lb. .50 - .55
Scammony, cs.....lb 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs 18.00 -18.90
Tragacanth, Alleppo, 1 cs....lb. 2.80 - 2.10
2 cs.....lb. 2.45 - 2.60
3 cs.....lb. 2.10 - 2.20
Yucca, bxs.....lb. 03½- 04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.18.00 - —
New Brighton, N. Y., frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Plaster of Paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.18.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bgs, c.l., f.o.b. Acme, Tex.; Akron, N.Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southerd, Okla.; Sweetwater, Tex., frt. equald., ton. 8.00 - —
G, paus.h, terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .35 - .40
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .53 - .55
Hematine crystals, bbls.....lb. .35 - .50
Hemlock bark extract, 25% tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .06¼- 06¾
Henbane leaves, bls.....lb. 1.75 Nom.
Henna leaves, bls.....lb. .30 - .32
powd., bbls., bxs.....lb. .35 - .37
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .05¼- —
normal, 88-100°, dms., c.l., Group 3..gal. .11¼- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., l.c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N.Y.C. lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
5lb. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., dlvd., Group 3..gal. .24 - —
l.c.l., 5 or more, dlvd, Group 3..gal. .29 - —
1-5, dlvd., Group 3.....gal. .38 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .28 - —
Hexanol, dms., l.c.l., works....lb. .25 - —
Homatropine hydrobromide, 25 oz. bots..oz.15.00 -15.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago, unit 2.70 - 2.80
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .15 - .16
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots, 4 ozs.....oz.20.00 - —
Hydrochloride, both., 4 oz....oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.85 - —
Hydrastis (see Golden seal).
Hydroflumamide, dms., 100 lbs. or more, works..lb. .30 - —
5lb. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River; West Coast via Panama canal..lb. .16 - .18¼
Hydroquinone, dealers, bbls., dms., lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots...oz.65.00 -75.00
Hydrochloride, bots.....oz.65.00 -75 00
Hyoscyamine, bots.....oz.21.25 -22.25
Hydrobromide, bots.....oz.21.25 -22 25
Sulphate, bots.....oz.21.25 -22.25
Hypernic, ext. liquid, 50°, bbls. lb. .14 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....16¼- 19
powd., bbls.....7¼- 85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
Alpha, extra, bots.....lb. 3.75 - 3.80
beta, bots.....lb. 3.10 - 3.15
beta, extra, bots.....lb. 3.90 - 3.95
Ipecac root, bgs.....lb. 1.05 - —
powd., bxs.....lb. 1.20 - —
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls.....lb. .32 - .35
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 5.25
150-lb. dms.....100 lbs. 5.00 - 5.60
cryst., bbls., works, f.a.s. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .09
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07¼- —
kegs .....lb. .08¼- —
solut, cbys., works, frt. alld. or equald..lb. .06¼- .07
djns. .....lb. .07½- —
Citrate, USP VIII, pearls..lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.33
syrup, djns.....lb. .56 - —
bots. .....lb. .53 - —
nitrate, red, tech., dms.....lb. .03¼- .04
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .48 - .55
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Copperas and ferric sulphate)
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06¾- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .36
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .36
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .30 - —
5lb. dms.....lb. .23½- —
kgs.....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars .....lb. .43 - —
Iron-soda oxalate, bxs.....lb. .30 - —
5lb. dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutylacetate, 85 - gal. dms., works..lb. .0790- —
tanks, works.....lb. .0698- —
Propionate, dms., works.....lb. .09½- —
Isopentane, 80-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .11 - —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07½- —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .08 - —
tanks, E. of Rockies, frt. alld..lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .35 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .35 - —
W. of Miss., frt. alld., gal. .39 - —

J

Jaborandi leaves, bls.....lb. .11 - .13
Jalap root, NF, bls.....lb. .28 - .30
powd., bbls., bxs.....lb. .30 - .32
resin, lump, 100-lb. lots, cns..lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .60 - .80

K

Kamala, tins.....lb. .30 - .32
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene at refinery:—
Ravenna 41-43 w.w., tanks, gal. .0330- .0350
California (f.o.b. San Francisco), truck..gal. .11¼- —
Gulf ports, p.w. bulk.....gal. .07¼- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03¾- .04¼
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03¾- .04¼
Pennsylvania, 43 w.w., tanks, gal. .05 - .05¼
Kieserite, cal., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 6.75 - 6.85
Middlewestern, trcs....100 lbs. 5.60 - 5.65
Neutral, trcs.....100 lbs. 7.25 - 7.50
Western, choice, trcs..100 lbs. 5.70 - 5.75
Compound, trcs.....100 lbs. 8.75 - 9.00
Larkspur seed, bgs.....lb. 1.60 - 1.70
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .32 - .34
Turkish, bls.....No stocks
Lavender flowers, ordinary, bls.lb. .50 - .55
medium, bls.....lb. .55 - .60
select, bls.....lb. .65 - .70
Lead acetate, white, broken, bbls., lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .09 - .09½
l.c.l., bgs.....lb. .09½- .10
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¼- —
l.c.l., dlvd. E.....lb. .06¼- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo .....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs...lb. .62 - —
5lb. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd., 5-lb. bots., lb. 2.60 - —
jars .....lb. 2.55 - —
Linoleate, pale, precip., dms, lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, powd., bbls., tech..lb. .23 - —
red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.....lb. .08¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
other points.....lb. .09¼- —
smaller lots, Ala., etc..lb. .09¾- —
other points.....lb. .09¾- —
Lead, red, dry, 97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .08½- —
other points.....lb. .09¼- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09¼- —
other points.....lb. .09¾- —
smaller lots, dlvd., Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¾- —
98%, Pb_3O_4, bbls., c.l. (20 tons, dlvd., Ala., etc...lb. .09¾- —
other points.....lb. .09¼- —
l.c.l. 5 tons, dlvd., Ala., etc...lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09¾- —
other points.....lb. .09 - —
smaller lots, dlvd., Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
in oil, 95% min., 100-lb. kgs..lb. .12¼- —
Resinate, fused 15%, bbls...lb. .09½- —
pale, bbls.....lb. .11¼- —
Silicate, bgs., 5 tons.....lb. 6.35 - —
smaller lots.....lb. 6.80 - —
Stearate, bbls.....lb. .28 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bgs. or bbls., c.l. (20 tons), works, frt. alld..lb. .10¼- —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10½- —
Pac. Cat., ex whse....lb. .10½- —
smaller lots, E. frt. alld.lb. .10¾- —
Pac. Cat., ex whse....lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., dlvd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¾- —
other points.....lb. .07½- —
l.c.l., dlvd., Ariz., etc..lb. .08 - —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., dlvd. Ariz., etc..lb. .06¾- —
other points.....lb. .06½- —
l.c.l., dlvd., Ariz., etc...lb. .07 - —
other points.....lb. .06¾- —
in oil, 100-lb, kgs., consumers, lb 12¾- —
dealers .....lb. .10¾- —
painters .....lb. .11¾- —
Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b. N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same l.c.l., same basis..lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. tins. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.
Lemon peel, bls.....lb. .13 .15
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .12 - .13
select, bdls, cs.....lb. .50 - .60
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa.....ton. 6.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.50 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 8.50 - —
Nevada, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Sciota, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b.
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn..ton. 8.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 8.00 - —
Le Roy, Minn.....ton.10.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 8.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Nevada, Ala.....ton. 9.00 - —
Petoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Sciota, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07½- .08½
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .10 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .16
Zone 3, tanks, dealers .dlvd., gal. .07½- —
30-50 dms.....gal. .10½- 14½
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, dlvd. gal. .10½- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.75 - 3.30
Linalyl acetate, cns.....lb. 3.15 - 3.25
Linden flowers, with leaves, bls.lb. .45 - .50
without leaves, bls.....lb. .50 Nom.
Linseed cake, bgs., export...ton.21.00 - —
meal, bgs.....ton.25.00 - —
Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N Mex., Okla., Tex. Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .07¼- —
Other points.....lb. .07 - —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore., and Wash..lb. .07⅝- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
Colo., Mont., N. Mex., Wyo..lb. .08 - —
Other points.....lb. .07¼- —
smaller lots, dlvd., Ala..lb. .08¼- —
Ariz., etc.....lb. .08⅝- —
Colo., etc.....lb. .08¼- —
Other points.....lb. .08 - —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.92 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05¼- —
smaller lots.....lb. .05½- —
bbls., c.l., (20 tons).....lb. .05½- —
smaller lots.....lb. .05⅝- —
ordinary, bgs., c.l. (20 tons)..lb. .0385- —
smaller lots.....lb. .0410- —
bbls., c.l. (20 tons).....lb. .0410- —
smaller lots.....lb. .0435- —
Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.
Liverwort leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .20 - .21
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.50 - 4.75

M

Mace, Banda, cs.....lb. .45½- .46
Batavia, cs.....lb. .23 - .23½
Siauw, cs.....lb. .30 - .31
West Indian, cs.....lb. .31 - .32
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08⅝- —
l.c.l., bgs.....lb. .07¼- —
bbls. .....lb. .08½- —
kgs. .....lb. .09⅝- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08⅝- —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09⅝- —
l.c.l., bgs.....lb. .09 - —
bbls., ...lb. .09½- —
kgs. .....lb. .10⅝- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09⅝- —
l.c.l., bgs.....lb. .09¼- —
bbls. .....lb. .09½- —
kgs. .....lb. .10½- —
Other points.....lb. .09 - —
Magnesia:—Zone 1—Mass., Conn., R. I. N.Y., N.J., Pa., D. of C., Del. and Md., c.l., shipments, frt., equald., with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, fr't alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

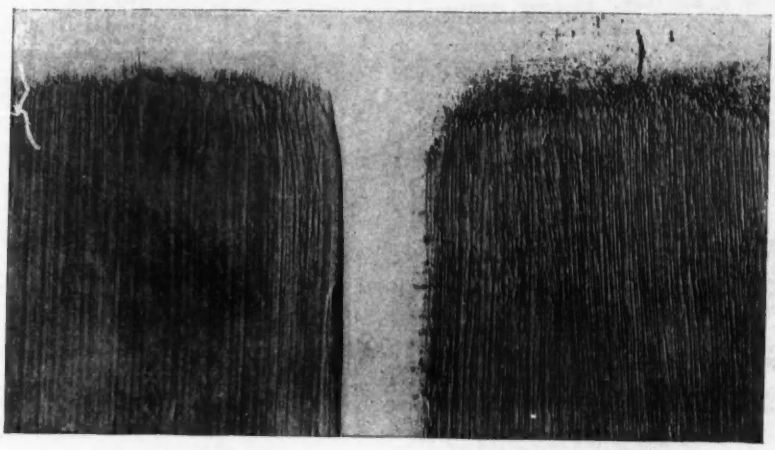
Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .12 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls., lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphate, cns., 100 lbs.lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.60 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Stearate, bbls., ctns., c.l.....lb. .23 - —
t ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .40 - —
smaller lots, dms.....lb. .45 - —
cs., 500-lb. lots.....lb. .42 - —
100-lb. lots.....lb. .45 - —
5-lb. cns.....lb. .63 - —
Magnesite, cal., dom., bgs....ton.65.00 -70.00
Imports, bgs., duty paid...ton.70.00 Nom.
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash...ton.22.00 -25.00
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 - .95
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 20-40 tons, works, ton.71.50 - —
5-15 tons, works.....ton.74.50 - —
¼, 4 tons, works.....ton.79.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works..ton.74.75 - —
smaller lots, works.ton.79.75 - —
paper bgs., c.l., works.ton.70.00 - —
l.c.l., 5 tons, works..ton.73.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.80 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .71 Nom.
Resinate, fused, 3½%, bbls..ton. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd, t o n lots, works..lb. .10¼- —
single bbls., works.....lb. .10¾- —
fertilizer, 65%, $MnSo_4$, bgs., c.l., dlvd.,South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.34.00 - —
Manna flake, large, cs.....lb. 2.00 Nom
small, cs.....lb. 1.80 Nom

Lime-Sulphur—Mercury Ox.

Mannitol, com'l grade, bbls., ton lots, works..lb. .33 - —
smaller lots, works.....lb. .45 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .90 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .56 - .58
Tunisan, bls.....lb. .33 Nom.
Chilean .....lb. .11 - .11¼
Menthol, natural, Chinese, cs..lb. 3.75 - 3.85
Japanese, cs.....lb. 4.00 - 4.10
synthetic, USP, cs.....lb. 3.65 - —
USP, cs.....lb. 3.25 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.44 - —
25 lbs.....lb. 1.46 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd. .....lb. 4.05 - 4.10
Iodide, red, NF, 5-lb. bots...lb. 4.71 - —
100-lb. fib. dms.....lb. 4.60 - —
yelow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.70 - 4.75
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).

LET ALBALITH MAKE

Calcimine Coater Sales FOR YOU



AS A CEILING PAINT

WHEN BRUSHED OUT over composition wall board precoated with a calcimine finish, a "calcimine coater" (left in the photograph) generally gives a more uniform appearing coating than that yielded by the conventional flat wall paint (right). This is due to the development of a special non-penetrating vehicle which, incidentally, brings out most efficiently the desirable properties of high dry hiding ALBALITH Lithopone.

A paint coating for use directly over calcimine ceilings? You know that ordinary flat wall paints won't do the job. That's why more and more painters are using *calcimine coaters*, not only over calcimine ceilings, but on other porous and unprimed surfaces as well.

Typical Calcimine Coater

An economical way to get the non-penetrating qualities and high dry hiding so essential in calcimine coaters is to formulate with Albalith 351, 361 and 362. At high PFV's (pigment fixed-vehicle ratio), no other type of pigment is as economical to use as these high dry hiding lithopones.

For example:

At a PFV of 63% and with a typical limed liquid, you get a raw materials cost of well below that of the average flat wall paint. And one gallon of calcimine coater makes at least 1⅜ gallons of easy brushing, ready-to-use paint.

You can prove all this for yourself. Let us supply further information that will help you.

ALBALITH LITHOPONES

- *351* A high dry hiding lithopone treated for easy wetting and good suspension.
- *361* Gives high dry hiding and free-flowing consistency.
- *362* Gives high dry hiding and higher sheen than Albalith-361.

THE NEW JERSEY ZINC CO., 160 Front Street, New York

Mercury Oxide—Oil, Lub.

Mercury, oxide, yellow, dom., tech.. bbls..lb. 2.66 - —
USP, fib. dms., 50 lbs. or more..lb. 3.18 - —
Mercury and chalk, 5-lb. otns..lb. 1.98 - —
25-lb. fib. dms.....lb. 1.86 - 1.88
Mesityl oxide, cns., works.....lb. .20½ - —
dms., c.l., divd.....lb. .16 - —
l.c.l., divd.....lb. .16½ - —
tanks, divd.....lb. .15 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in....pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in. pkg.15.25 -15.75
3⅜x3⅜ in.....pkg.15.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅜x5⅛ in.....pkg.22.50 -23.00
3⅜x5⅛ in.....pkg.24.50 -25.00
silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, producer group
A, denat., grade tanks..gal. .40 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 8c. higher on tanks and 4c. per gal. higher on drums; car lots.

natural, producer group B, pure, tanks, frt. alld. Zone 1, gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½ - —
dms., c.l., Zone 1.....gal. .35½ - —
Zone 2.....gal. .37½ - —
Zone 3.....gal. .39½ - —
Zone 4.....gal. .41½ - —
l.c.l., Zone 1.....gal. .38 - —
Zone 2.....gal. .45½ - —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½ - —

group B, 95%, frt. alld., prices 2c. less than pure, all zones.

97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Aris., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Methanol, synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½ - —
2, frt. alld.....gal. .37½ - —
3, frt. alld.....gal. .39½ - —
4, frt. alld.....gal. .41½ - —
l.c.l., Zone 1, frt. alld. or divd..gal. .38 - —
2, frt. alld. or divd..gal. .45½ - —
3, divd., S. F. and L. A., gal. .42 - —
4, frt. alld. or divd..gal. .53½ - —
tanks, Zone 1, frt. alld..gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½ - —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Aris., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½ - —
W. of Miss. R.....lb. .11½ - —
l.c.l., dms., divd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, divd., E. of Miss. R. lb. .09½ - —
W. of Miss. R.....lb. .10½ - —
tech., dms., c.l., divd., E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., divd., E. of Miss. R..lb. .07½ - —
W. of Miss. R.....lb. .08½ - —
tanks, divd., E. of Miss. R., lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .20½ - —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .32 - —
dms., c.l., same basis...gal. .37½ - —
l.c.l., same basis...gal. .40 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal higher on drums, car lots.

Methyl acetone, natural, group B producers, tanks, Zone 1.gal. .32 - —
Zone 2.....gal. .34 - —
Zone 3.....gal. .36 - —
Zone 4.....gal. .36½ - —
dms., c.l., Zone 1.....gal. .37½ - —
Zone 2.....gal. .39½ - —
Zone 3.....gal. .41½ - —
Zone 4.....gal. .43½ - —
l.c.l., Zone 1.....gal. .40 - —
Zone 2.....gal. .47½ - —
Zone 3.....gal. .44 - —
Zone 4.....gal. .55½ - —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Aris., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Synthetic, tanks, zone 1....gal. .34 - —
Zone 2.....gal. .42 - —
Zone 3.....gal. .45½ - —
dms., c.l., zone 1.....gal. .36 - —
Zone 2.....gal. .44 - —
Zone 3.....gal. .48 - —
l.c.l., Zone 1.....gal. .37 - —
Zone 2.....gal. .45½ - —
Zone 3.....gal. .48½ - —

Alcohol (see Methanol).
Anthranilate, bbls.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 480 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
Methyl chloride, refrigeration, service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bis.....lb. 2.75 - 3.25
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., divd....lb. .80 - —
Iodide, bots.....lb. 3.68 - 3.82
Salicylate, dms.....lb. .35 - .37
cns. .....lb. .37 - .40
Molybdated violet toner, bbls.lb. .35 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms, c.l., works, 2,000 lbs. or more, works, lb. .50 - —
100 to 1,999 lbs., works.. lb. .55 - —
1 to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 - —
Methylene blue, medci., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.25 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - .07½
l.c.l., same terms.....lb. .07½ - .08
tanks, same terms.....lb. .06 - .06½
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.50
imp., bots.....lb. 3.10 - —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee...ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh., containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh., containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works..lb. .02 - —
500 lbs., works..lb. .02½ - —
100 lbs., works..lb. .03 - —
refined, bgs., extra and returnable, c.l., works, ton.20.00 - —
l.c.l., 5,000 lbs. works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs. works, ton.65.00 - —
white, No. 1 quality, bgs. extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works...lb. .02½ - —
500 lbs., works...lb. .03 - —
roofing, bgs. extra and returnable. cl., works, ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½ - —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04¾ - —
l.c.l., ex whse., or frt. alld. E..lb. .04¾ - —
rubber, bgs., c.l., frt. alld. E..lb. .04½ - —
l.c.l., ex whse., or frt. alld. E..lb. .04¾ - —
Biotite, bgs., c.l., frt. alld. E..lb. .03½ - —
l.c.l., ex whse. or frt. alld. E..lb. .04 - —

wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk powder, skimmed, roller, bbls., c.l. .07 - —
l.c.l. .08 - —
spray, bbls., c.l.....lb. .07½ - —
spray, l.c.l.....lb. .08½ - —
unskimmed, roller, bbls., c.l. lb. .15½ - —
l.c.l. .16½ - —
spray, bbls., c.l.....lb. .16 - —
Millet seed, yellow, bgs.....lb. .0250- .0280
early fortune, bgs.....lb. .02½ - .06
hulled, bgs.....lb. .06½ - .06¾
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .07 - —
f.o.b. Gulf ports.....gal. .06¼ - .06¾
Molybdate orange (see Orange, molybdate).
Molybdenum metal kgs., 99% powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., c.l., wks. lb. .52 - —
l.c.l., works.....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., wks. lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l. lb. .06 - .06
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .26 - —
tanks .....lb. .28 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylaniline, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., divd..lb. .65 - —
l.c.l., divd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz 8.80 - —
Morpholine, dms., 55 gals., l.c. works..lb. .67 - —
smaller containers, works..lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 1.75 Nom.
Musk, nat., Tonquin, grained, bots..oz.24.00 -26.00
synth., ambrette, cns., 100 lbs. or more..lb. 2.65 - —
5 lbs., to 75 lbs.....lb. 2.85 - —
1 lb.....lb. 2.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown, lb. .15¾ - .16¼
yellow, bgs.....lb. .16½ - .17
Chinese, yellow, bgs.....lb. .09¾ - .10
Danish, yellow.....lb. .25 - .25½
Dutch, yellow, bgs.....lb. .21 - .22
English, yellow, bgs.....lb. No stocks
Montana yellow, bgs.....lb. .12 - .12½
Roumanian, yellow.....lb. .16 - .16½
Myrobalans, J1, bgs., f.a.s....ton.35.00 - —
J2, bgs., f.a.s.....ton.28.00 - —
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dms., 74 deg., tanks, works....100 lbs. 2.25 - —
78 deg., tanks, works.100 lbs. 2.50 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼ - —
pkgs. (16 oz.), same basis, lb. .07¾ - —
(12 oz.), same basis..pkg. .06¼ - —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lb. dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .35
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .70 - —
10-lb. tins.....lb. .86½ - —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., works, lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35 eps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .23 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
ester-soluble, 5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .20 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable

Nitroethane, l.c.l., dms., works, lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, dom., 20% ammon., bulk f.o.b. Carrollville, Wis., divd..unit-ton. 2.00 - —
f.o.b. Chemical, Ill., unit-ton. 1.75 - 2.00
f.o.b. East Coast producing points..unit-ton. 2.20 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Alleppo, bgs., cs....lb. .28 - .29
Chinese .....lb. .16 - .17
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs...lb. .18 - .18½
110s, bgs., cs.....lb. .16 - .16½
small, grinding, bgs.....lb. .16 - .16½
West Indian, bgs.....lb. .09¾ - .09½
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .06 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03¼ - —
l.c.l., bbls., works.....lb. .03¾ - —
tanks .....lb. .02¾ - —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12½ - —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½ - —
Octanol, normal, tech., 360-lb. dms., divd..lb. .35 - —
Oil, almond, bitter, artif (see Benzaldehyde).
natural, bots.....lb. 3.00 Nom.
s.p.g., bots.....lb. 2.85 - 3.00
sweet, true, exp., cns.....lb. .70 - .75
Amber, crude, cns.....lb. .38 - .40
ref'd, cns.....lb. 1.20 - 1.25
Amyris, cns.....lb. 3.00 - 3.25
Angelica, seed, bots.....lb.90.00 -100.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .80 - .90
Apricot, kernels, cns.....lb. .43 - .44
Oil, bay, W. I., 50-55% phenols, cns..lb. 1.10 - 1.15
55-60% phenols cns..... lb. 1.20 - 1.25
Bergamot artif., cns.....lb. 2.50 - 3.50
natural, coppers.....lb.12.00 Nom.
Birch (see Oil, sweet birch).
Birchtar rectified, cns.....lb. 1.10 - 1.20
crude, cns.....lb. .37 - .38
Bois de rose Brasil cns.....lb. 1.95 - 2.00
Cade USP IX (see Oil Juniper tar).
Cajeput tech. dms.....lb. .65 - .70
USP IX, cns.....lb. .75 - .80
Calamus cns.....lb. 8.25 - 8.50
Camphor, sassafrassy cns...lb. .25 - .26
dms.....lb. .22 - .23
white, cns.....lb. .25 - .26
dms.....lb. .22 - .23
Cananga, native, cns.....lb. 2.75 - 3.00
rectified, cns.....lb. 3.25 - 3.50
Capsicum (oleoresin), USP VIII, cns..lb. 3.50 - 3.75
Caraway, USP, cns.....lb. 6.00 Nom.
Cardamom, bots.....lb.16.00 -18.00
Cassia, USP, cs., dms.....lb. 1.55 - 1.60
Castor, blown, one-way dms., c.l..lb. .11¾ - —
l.c.l. .12¼ - —
cold pressed, USP, bbls., c.l., lb. .10¾ - —
l.c.l. .11 - —
cns. (1-gal.), l.c.l.....lb. .14 - —
dms. (returnable), c.l..lb. .10 - —
l.c.l. .10¾ - —
(5-gal.), l.c.l.....lb. .12 - —
tanks .....lb. .09½ - —
dehydrated, dms., c.l.....lb. .1310 - —
l.c.l. .13¾ - —
tanks .....lb. .12¼ - —
extracted No. 3, tech., bbls., c.l..lb. .09¾ - —
l.c.l. .10¼ - —
dms. (returnable), c.l....lb. .09¾ - —
l.c.l. .10¼ - —
tanks .....lb. .09 - —
sulphonated, 50% (43% fat), dms., c.l..lb. .06½ - —
l.c.l. .07½ - —
75% (63% fat), dms., c.l..lb. .09¼ - —
l.c.l. .10¼ - —
80% (68% fat), dms., c.l...lb. .09½ - —
l.c.l. .10¼ - —

Castor oil, USP, and No. 3, prices are divd. all points between N. Y. and Philadelphia, Albany and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.

Cedarleaf, cs.....lb. .90 - .95
dms.....lb. .85 - .90
Cedarwood, Southeast, cns..lb. .26 - .27
dms .....lb. .24 - .25
Celery, bots.....lb.15.00 -16.00
Chaulmoogra, USP, cns.....lb. .72½ - —
Chinawood, dms.....lb. .27¼ - —
tanks .....lb. .26¼ - —
Cinnamon, Ceylon, bots....lb. 9.75 -27.00
Citronella, Ceylon, cns.....lb. .39 - .40
dms.....lb. .37 - .38
Java, cns, dms.....lb. .37 - .39
Clove, makers, USP, cns.....lb. 1.10 - 1.15
dms.....lb. 1.05 - 1.10
Coconut, Manila, crude, tanks, lb. .03¾ - —
edible, 76°, dms. (returnable), c.l..lb. .08 - —
l.c.l. .08¼ - —
tanks .....lb. .07¼ Nom.
Cod: Newf., bbls.....gal. .65 Nom.
Codliver, med., USP., bbls..bbl.70.00 -75.00
Coriander, bots.....lb.15.25 -15.50
Corn, crude, tanks, wks.....lb. .06¾ Nom.
ref'd., bbls.....lb. .09¼ Nom.
Cottonseed, cooking, bbls....lb. .07¾ - —
salad, bbls.....lb. .08 - —
Creosote (see C).
Croton, N. F., cns.....lb. 2.75 - 3.00
Cubeb, USP, cns.....lb. 3.00 - 3.25
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 - 8.50
Cypress, bots.....lb. 5.25 - 5.50
Degrass (see D).
Dill seed, bots.....lb. 4.50 - 5.00
weed, bots.....lb. 5.50 - 5.75
Dip (see L).
Erigeron, cns.....lb. 2.00 - 2.50
Eucalyptus cns.....lb. .65 - .67
dms.....lb. .63 - .65
Fennel, sweet, cns.....lb. 2.05 - 2.15
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb.14.25 Nom.
Bourbon, cns.....lb.14.00 Nom.
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.60 - 1.65
Grapeseed, dom., dms.....lb. .45 - .50
imported, dms.....lb. .15 - .20
Ginger, dist., bots.....lb. 4.10 - 4.25
Guaiac wood, concrete, bots..lb. 3.50 - 3.75
Haarlem, imp., bots.....gross No prices
Hemlock, cns.....lb. .85 - .90
Juniper berry, USP XI, cns..lb. 9.00 Nom.
wood, tech., cns.....lb. .50 - —
Juniper tar, USP XI, cns.....lb. .39 - .40
Lard, common, 1, bbls.....lb. .08 - —
2, bbls.....lb. .07¾ - —
extra, bbls.....lb. .08½ - —
1, bbls.....lb. .08¾ - —
winter, strained, bbls....lb. .08¾ - —
prime, burning, bbls.....lb. .09¼ - —
prime, lned., bbls.....lb. .09 - —
Laurel, bots.....lb. 5.00 Nom.
Lavandin, cns., 25 lbs.....lb. 3.25 Nom.
Lavender flower, French, 50% ester, cns..lb. 8.25 Nom.
38-42% ester, cns.....lb. 7.50 Nom.
33-38% ester, cns.....lb. 5.50 Nom.
30-32% ester, cns.....lb. 5.00 Nom.
garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 1.40 - 1.60
dms.....lb. 1.35 - 1.50
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. 4.75 - 5.00
Terpeneless, Type 1.....lb.10.50 -16.50
Type 2.....lb. 8.35 -14.50
Lemongrass, native, cns., dms., lb. .78 - .80
Lime, dist., cns.....lb. 4.75 - 5.00
expressed, cns.....lb. 7.75 - 8.00
Terpeneless, Type 1.....lb.67.50 -78.00
Type 2.....lb.46.50 -50.00
Linaloe wood, cns.....lb. 1.75 - 2.00
Linseed, raw, dms., c.l.....lb. .0970- .0990
l.c.l., 10 to 69.....lb. .1000- .1020
5 to 9.....lb. .1030- —
less than 5.....lb. .1050- —
tanks .....lb. .0900- .0920
Boiled linseed oil (004 cent over raw, Lovage, extra fine, bots.....lb.85.00 - —
Lubricating, at refinery, ex tax, California, neutrals, pale, 100-600 vis., 2½-4, gal. .07¼ - .11
red, 200-900 vis., 4-6½ plus, tanks, gal. .07¼ - .11¼
Group 3, bright stocks, 100-210 D,0-25 pour, tanks, gal. .12¼ - .18
neutrals, 150-400 vis., 3-3½, 0-10 pour, tanks, gal. .08 - .12
200-280 vis., 3, 15-20 pour, tanks..gal. .08 - .10

Oil, lubricating, Pennsylvania, bright stocks, 3 color, 140-150 vis., 10-25 pour, tanks	gal.	.12½- .14½
cylinder oils, 600-630 flash, tanks	gal.	.08 - .12
600-650 steam ref'd, tanks	gal.	.08 - .08½
neutrals, 70° F., 3 color, 150 vis., 0-25 pour, tanks	gal.	.19 .22½
200 vis., 0-25 pour, tanks	gal.	.21 - .24½
Mace, dist., cns., dms.	lb.	2.20 - 2.30
Mandarin, superior, coppers.	lb.	9.00 -10.00
Menhaden, crude, tanks, fut., Balto.	gal.	.32 Nom.
refd., alkali, dms.	lb.	.0925- —
blown, dms.	lb.	.0925- —
kettle-bodied, dms.	lb.	.1025- —
light-pressed, dms.	lb.	.0845- —
tanks	lb.	.0745- —
Mineral, white (see Oil, white mineral).		
Mustard, artif., USP., bots., cns.	lb.	1.50 - 1.60
dist., natural, bots.	lb.	9.50 -10.00
Neatsfoot, 20° cold test, bbls.,	lb.	.15½- —
extra, bbls.	lb.	.08½- —
1, bbls.	lb.	.08½- —
prime, bbls.	lb.	.06½- —
pure, bbls.	lb.	.10½- —
sulphonated, common, 25% moisture, dms.	lb.	.10½- —
Neroli, bots.	lb.	200.00- 325.00
Nutmeg, dist., cns., dms.	lb.	2.20 - 2.30
Oleo, 1, bbls.	lb.	.07¾- —
2, bbls.	lb.	.07½- —
Olticica, dms.	lb.	.18½ .19½
Olibanum, bots.	lb.	5.00 - 5.25
Olive, denat., dms.	gal.	2.35 Nom.
edible, dms.	gal.	3.25 Nom.
foots, dms.	lb.	.10¼ Nom.
sulphonated, 50%, (42% fat), dms., c.l.	lb.	.09¾- —
l.c.l.	lb.	.10¾- —
75% (65% fat), dms., c.l.	lb.	.12¾- —
l.c.l.	lb.	.13¾- —
80% (65% fat), dms., c.l., lb.		.127 - —
l.c.l.	lb.	.137 - —
Orange, sweet, dist., cs.	lb.	.90 - —
expressed, African, cns., dms., lb.		1.40 - 1.50
Calif., cns.	lb.	2.00 - —
Florida, cns.	lb.	1.25 - 1.30
Messina, USP, coppers.	lb.	5.00 Nom.
West Indies, cns.	lb.	2.25 - 2.50
terpeneless	lb.	42.00 -50.00
Origanum, cns.	lb.	1.05 - 1.45
Palm, Niger, dms.	lb.	.04½ Nom.
shipment	lb.	.03¾ Nom.
softs, 12½%, bulk, shipt.	lb.	.02⅞ Nom.
Sumatra, shipt., bulk	lb.	.02¾ Nom.
Palmarosa, cns.	lb.	3.00 Nom.
Paraffin, 320° flash, 60-70 vis., tanks, G. S.	gal.	.05½- —
350° flash, 70-80 vis., tanks, G. S.	gal.	.05½- —
80-85 vis., bbls., extra, Ind. refy.	gal.	.12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy.	gal.	.14 - —
350° flash, 100-110 vis., tanks, G. S.	gal.	.05¾- —
Patchouli, bots., cns.	lb.	5.50 - 6.00
Peanut, crude, dom., tanks.	lb.	.05¾ Nom.
refd., edible, bbls.	lb.	.08¼ Nom.
Pennyroyal, dom., cns.	lb.	3.00 Nom.
import, cns.	lb.	2.25 - 2.50
Peppermint, natural, cns., dms.,	lb.	3.00 - 3.25
redist., USP, cns., dms.	lb.	3.25 - 3.50
Perilla, dms.	lb.	.18 Nom.
tanks	lb.	.17¼ Nom.
Petitgrain, Paraguay, cns.	lb.	1.40 - 1.50
Pimento berry, cns.	lb.	4.35 - 7.25
leaf, cns.	lb.	2.50 - 2.75
Pine, dest.-dist., straw-color, dms., dlvd., E. ports.	gal.	.50 - .55
steam-dist., dms.	gal.	.50 - —
tanks	gal.	.54 - —
Pineneedle, Siberian, cns.	lb.	1.30 - 1.40
Putty, bbls., E. Segundo, Richmond, Cal.	gal.	.22½- —
contracts	gal.	.19½- —
Whiting, Ind.	gal.	.23 - —
dms., c.l., Boston, Providence,	gal.	.25 - —
l.c.l., same basis	gal.	.27 - —
tanks, same basis	gal.	.18 - —
Martinez, Cal.	gal.	.28 - —
Rapeseed, blown, dms.	lb.	.17¼- —
denat., bbls.	gal.	.95 Nom.
Red, dist., or saponif., dms., dlvd.	lb.	.07¼- .08¼
tanks, dlvd.	lb.	.06¾- —
Rose, artif., bots.	oz.	1.35 - 2.25
natural, coppers.	oz.	5.50 -22.50
Rosemary, Spanish, cns.	lb.	.71 - .73
dms.	lb.	.62 - .64
Rosin, 1st rectfd., dms.	gal.	.40 - —
2d rectfd., dms.	gal.	.42 - —
3d rectfd., dms.	gal.	.46 - —
Rue, bots.	lb.	5.25 - 6.00
Sage, cns.	lb.	3.50 - 3.75
Sandalwood, E.I. USP, cns.	lb.	4.95 - 5.25
Mysore, cns., case lots.	lb.	5.50 - 5.75
Sardine, crude, fut., tanks, Pac. Cst.	gal.	.42 Nom.
refd., alkali, dms.	lb.	.0925- —
kettle-bodied, dms.	lb.	.1025- —
light-pressed, dms.	lb.	.0845- —
tanks	lb.	.0745- —
Sassafras, artif., cns.	lb.	.75 - —
dms.	lb.	.72 - —
natural, cns., dms.	lb.	1.00 - 1.25
Savin, cns.	lb.	5.75 Nom.
Savory, cns.	lb.	3.75 Nom.
Sesame, crude, coast, tanks.	lb.	.07½- —
Shingle stains, bbls., c.l., works,	gal.	.19 - —
l.c.l., works	gal.	.20 - —
tanks, works	gal.	.14 - —
Snakeroot, Canada, cns.	lb.	9.50 -10.50
Soybean, dom., crude, dms.	lb.	.06¾- .07¼
tanks	lb.	.06 - —
refd., dms.	lb.	.08 - .08¾
tanks	lb.	.07¼- .08
Spearmint, dms.	lb.	2.50 - 2.60
Sperm, bleach, 38°, dms.	lb.	.1120- —
45°, dms.	lb.	.1050- —
natural, dms.	lb.	.1000- —
Spruce, cns., dms.	lb.	.80 - .85
Sweet, birch, North, cns.	lb.	2.25 - 2.65
South, cns.	lb.	1.55 - 1.70
Tall, crude, dms., c.l., works,	ton.	40.00 - —
l.c.l., works	ton.	45.00 -50.00
tanks, works	ton.	30.00 - —
distilled, dms., c.l., dlvd.	lb.	.05½- .07
l.c.l., dlvd.	lb.	.06½- .08¼
tanks, dlvd.	lb.	.05 - .06¾
refined, dms., c.l., works.	lb.	.04 - —
l.c.l., works	lb.	.04½- —
tanks, works	lb.	.03½- —
Tallow, acidless, bbls.	lb.	.08 - —
tanks	lb.	.07½- —
Tansy, cns.	lb.	4.25 - 4.50
Oil, tar, pine, com'l, dms., c.l., dlvd. E. cities.	gal.	.26 - —
E. ports, c.l.	gal.	.25 - —
l.c.l.	gal.	.27 - —
tanks, dlvd. E. cities.	gal.	.20 - —
rectfd., USP, bbls., l.c.l., dlvd. E. ports.	gal.	.55 - —
Tar acid (see T).		
Teaseed, crude, dms.	lb.	.17½ Nom.
Tea tree (see Oil, Ti tree).		
Thyme, NF, red, dms.	lb.	.80 - 1.40
white, dms.	lb.	.95 - 1.70
Tung (see Oil, chinawood).		
Ti tree, cns.	lb.	2.80 - 2.80
Turkey red (see castor, sulphonated).		
Turpentine (see T).		
Turtle, cns.	gal.	7.00 - —
Vetiver, bots.	lb.	5.25 - 9.50
Whale, ref., natural, dms.	lb.	.0910- —
winter, bleach, dms.	lb.	.0950- —
Wheat germ, cns., dms.	gal.	17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms.	gal.	.31 - .38
65-75 vis, dms.	gal.	.33 - .40
80-90 vis., dms.	gal.	.34 - .41
80-90 vis., dms.	gal.	.36 - .43
U.S.P., 95-105 vis., dms.	gal.	.40½- .47½
125-135 vis., dms.	gal.	.46 - .53
140-150 vis., dms.	gal.	.49 - .55
175-185 vis., dms.	gal.	.53½- .60½
200-210 vis., dms.	gal.	.56½- .63½
320-330 vis., dms.	gal.	.64 - .71
335-345 vis., dms.	gal.	.65 - .72
Russian, 80-90 vis., dms.	gal.	No prices
145-155 vis., dms.	gal.	No prices
175-185 vis., dms.	gal.	No prices
335-345 vis., dms.	gal.	No prices
Wintergreen, natural, North, cns.	lb.	4.35 - 5.00
South, cns.	lb.	2.05 - 2.75
synth (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Oil, wormseed, cns.	lb.	2.80 - 2.90
Wormwood, cns.	lb.	4.50 - 4.75
Ylang-ylang, Bourb., bots., cns.,	lb.	7.00 Nom.
Manila, bots.	lb.	23.00 Nom.
Olivine, aggregate, c.l., mines,	ton.	7.00 -11.00
Lumps, same basis	ton.	7.00 - —
Spalls, same basis	ton.	5.00 - —
ground, 325 mesh c.l., mines,	ton.	20.00 - —
200 mesh, c.l., mines.	ton.	17.00 - —
100 mesh, c.l., mines.	ton.	15.00 - —
20 mesh to dust	ton.	12.00 - —
Opium, USP, cns.	lb.	11.50 -12.50
gran., cns.	lb.	12.50 -13.50
powd., cns.	lb.	12.50 -13.50
Orange Lake, Persian, bbls.	lb.	.30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.11¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.11¼- —
Colo., Mont., N. M., Wyo.	lb.	.11½- —
Other points	lb.	.11 - —
smaller lots, dlvd., Ala. etc.	lb.	.11¾- —
Ariz., etc.	lb.	.12¼- —
Colo., Mont., N. M., Wyo.	lb.	.12 - —
Other points	lb.	.11½- —
Oil, French, Tours, casks, ex dock	lb.	.13½- —
kgs., ex dock	lb.	.14½- —
Molybdate, bbls.	lb.	.31 - —
Toner, bbls.	lb.	.80 - —

Oil, Lub.—Orthotoluene Sul.

Orangeflower petals, cs.	lb.	.45 - .50
Orange peel, bitter, bls.	lb.	.09 - .10
sweet, bls.	lb.	.11 - .12
Orris root, Florentine, bgs.	lb.	.80 Nom.
fingers, cs.	lb.	1.60 Nom.
powd., bbls., bxs.	lb.	.85 Nom.
Verona, bls.	lb.	.75 Nom.
powd., bgs., cns.	lb.	.80 Nom.
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloraniilin, dms.	lb.	.60 - .75
Orthochlorophenol, dms.	lb.	.32 - —
Orthocresol, dms., c.l., works.	lb.	.16 - —
l.c.l., same basis	lb.	.16¼- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.06 - —
l.c.l., same basis	lb.	.07 - —
100-lb. tins, same basis	lb.	.06 - —
50-lb. tins, same basis	lb.	.09 - —
tanks, same basis	lb.	.05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.		
Orthonitroaniilin, dms.	lb.	.55 - —
Orthonitrochlorobenzene, dms.	lb.	.15 - .18
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - —
Orthophenetidin, dms.	lb.	.80 - —
Orthotoluidin, dms.	lb.	.19 - —
Osage orange extract, cryst., bbls.	lb.	.21 - —
liquid, 42°, bbls.	lb.	.09 - —
51°, bbls.	lb.	.10 - —
Oxyquinolin sulphate, cns., 100-lbs., works.	lb.	2.50 - —
bots., cns., 1-60 lbs.	lb.	3.65 - 4.00
Orthotoluene hydrochloride, dms.	lb.	.22 - —
Sulphonate, kgs.	lb.	2.00 - 2.05

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9 S. Clinton St., Chicago
1019 Elliott St., W., Windsor, Ont.

Papain—Petroleum

P

Papain, powd., cs.....lb. 1.40 - 1.48
Paprika, Algerian, bgs.....lb. .34½- .35
Bulgarian, bgs.....lb. .30 - .30½
Hungarian, extra fancy, bgs.lb. .42 Nom.
medium, bgs.....lb. .41 Nom.
Portuguese, extra fancy, bgs., lb. .31½- .32
fancy, bgs.....lb. .28 - .29
Spanish, extra fancy, cs....lb. .39½- .40
medium, cs.....lb. .37 - .38
Parachlorophenol, dms.....lb. .32 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l. .....lb. .12½- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .0275- .0280
bbls., c.l., N.Y.....lb. .0275- .0280
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .0275- .0285
bbls., c.l., N.Y.....lb. .0275- .0285
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .0270 —
fully refd., bgs., 123-125 A.m.p., bgs., c.l..lb. .0570-
128-130 A.m.p., bgs., or loose, c.l..lb. .0570- —
131-133 A.m.p., bgs., or loose, c.l..lb. .0595- —
133-135 A.m.p., bgs., or loose, c.l..lb. .0625- —
135-137 A.m.p., bgs., or loose, c.l..lb. .0650- —
Paraffin, fully refd., 138-140 A.m.p., bgs., or loose, c.l.lb. .0725- —
143-145 A.m.p., bgs., or loose, c.l..lb. .0820- —
151-153 A.m.p., bgs., or loose, c.l..lb. .15 Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 3c. lower.
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .03½- —
semi-refd., solid, 122-124 A.m.p., bgs..lb. .03 - —
Paraformaldehyde, dms.. 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C..lb. .23 - —
100 to 900 lbs. shipments, same basis..lb. .24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., c.l., works.lb. .10 - —
l.c.l., works.....lb. .11¼- —
5 and 10-gal. dms., works..lb. .15 - —
USP, cs., cbys.....lb. .37 - .45
Paranitrophenol, kgs.....lb. .35 - —
Paranisidine, dms.....lb. .75 - —
Paranitroanilin, kgs., works...lb. .45 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls...lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.lb. .23 - .27
l.c.l., same basis.....lb. .24 - .26
Passion flower, herb, bls.....lb. .06 - .07
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .30 - .32
Pennyroyal leaves, bls.....lb. .15 - .16
Pentane, norm., 28-38°, dms., c.l., G.3..gal. .11½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .07 - .08½
laboratory grade, dms., c.l., G.3. gal. .14 - —
l.c.l., G.3.....gal. .25 - —
Pepper, black, Alleppy, bags..lb. .07¼ Nom.
Lampong bags.....lb. .0440-.0460
Tellicherry, bags.....lb. .07½ Nom.
White, Java, Muntok, bags..lb. .08½- .6
Singapore, Muntok.....lb. .08 - .08½
Red, chillies, Japan, Hontaka, lb. .20½- .21
Mombassa, bgs.....lb. .25½- .26
Peppermint leaves, dom., bls..lb. .60 - .65
Imports, bls.....lb. .90 Nom.
Perchlorethylene, dms., c.l., works, frt. alld.. zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.....lb. .65 - .67
Petrolatum, amber, dms., c.l...lb. .02¾- —
l.c.l .....lb. .03¾- —
amber, extra, dms.....lb. .03 - —
l.c.l. .....lb. .04 - —
white, cream, dms., c.l.....lb. .04 - —
l.c.l. .....lb. .05½- —
lily, dms., c.l.....lb. .04¾- —
l.c.l. .....lb. .06¼- —
snow, dms., c.l.....lb. .05½- —
l.c.l. .....lb. .07½- —
Petroleum, crude, bulk, at wells:—
California .....bbl. .60 - 1.71
Canada .....bbl. 1.70 - 2.10
Central West:—
Illinois .....bbl. 1.00 - 1.15
Lima .....bbl. .90 - —
Michigan .....bbl. .92 - 1.23
Princeton .....bbl. 1.00 - —
East Texas.....bbl. 1.10 - —
Gulf Coast.....bbl. .86 - 1.28
Kentucky, Tennessee.....bbl. .90 - 1.20
Louisiana, Arkansas.....bbl. .55 - 1.25
Mexico .....bbl. No prices
Midcontinent:—
North Texas .....bbl. .71 - 1.03
Oklahoma-Kansas .....bbl. .58 - 1.10
Pennsylvania, Ohio, West Virginia:—
Bradford, Allegany....bbl. 2.15 - —
Corning .....bbl. 1.12 - —
N. Y. Transit lines....bbl. 2.15 - —
Eureka lines.....bbl. 1.74 - —
S. W. Penn lines.....bbl. 1.80 - —
Lower district in National Transit lines..bbl. 2.03 - 2.08
Rocky Mountains....bbl. .35 - 1.10
South Central and Southwestern Texas..bbl. .86 - 1.29
Texas Panhandle.....bbl. .67 - .96
West Texas.....bbl. .53 - .95
Ether, normal, tanks, G.3....gal. .09¾- —
dms., c.l., dlvd.....gal. .24 - —
l.c.l., 5 or more, dlvd...gal. .29 - —
1-5, dlvd.....gal. .38 - —
laboratory grade, dms., c.l., G.3..gal. .14½- —
l.c.l., G.3.....gal. .25½- —
10-gal. lots, G.3.....gal. .50½- —
Lacquer diluent, at refinery:—
California, 100 l.b.h., 200 e.p., tanks, dlvd., Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
Willbridge Ore., Fort Wells, Wash..gal. .12 - —
East Coast, tanks.....gal. .09½- .10
Group 3, toluol type, tanks, gal. .07¾- —
benzol type, tanks.....gal. .07¾- —
Mineral spirits, at refinery:—
California (f.o.b. San Francisco), 166-232 b.r., tanks, gal. .10½- —
198-290 b.r., tanks....gal. .10½- —
246-397 b.r., tanks....gal. .10½- —
312-408 b.r., tanks....gal. .09 - —
362-458 b.r., tanks....gal. .09 - —
East Coast, 43-47, tanks.gal. .0830- .09¼
47-49, tanks.....gal. .10½- —
Group 3, tanks.....gal. .05¾- —
tankwagon, tax included:—
Albany .....gal. .13½- —
Baltimore (180 gals.)..gal. .14 - —
25-99 gals.....gal. .16 - —
Boston .....gal. .13½- —
Bound Brook, North Amboy, N. J..gal. .13½- —
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .13½- —
Camden, N. J.....gal. .10 - .11½
Chicago .....gal. .1670- —
Decatur .....gal. .1810- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420-.1520
Milwaukee .....gal. .1930- —
Minneapolis-St. Paul..gal. .1914- —
Newark .....gal. .0914- —
New York (200 gals.)..gal. .0914- —
Omaha .....gal. .1214- —
Pittsburgh .....gal. .1114- .1314
Providence .....gal. .12 - —
Rochester .....gal. .1214- —
St. Louis.....gal. .1470- —
Syracuse .....gal. .1014- —
Trenton .....gal. .1014- —
Wilmington, Del.....gal. .1214- —
Naphtha, cleaners', at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, tanks.....gal. .09 - .10¼
Group 3, tanks.....gal. .0634- .07
tankwagon, Boston, ex tax, gal. .1314- —
Bridgeport .....gal. .1314- —
Chicago, inc. 4c. tax...gal. .18 - —
Decatur, inc. 4c. tax...gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax.gal. .15 - .16
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .2014- —
Newark, ex tax.....gal. .1014- —
New York, ex tax.....gal. .1014- —
Omaha, ex tax.....gal. .1490-.1590
Oklahoma City, ex tax.gal. .1614- —
Philadelphia, ex tax...gal. .12 - —
St. Louis, inc. 1c. tax.gal. .1514- —
Syracuse, 150 gals.....gal. .1414- —
smaller lots, galv. drums, gal. .10 - —
milk cans.....gal. .21 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21 - —
2, over 90% arom., same basis..gal. .21 - —
3, same basis.....gal. .22 - —
8, tanks, f.o.b. Paulsboro, N. J..gal. .1614- —
30, same basis.....gal. .1714- —
40, same basis.....gal. .1734- —
V. M. & P., at refinery:—
California, 46.5, 254 f.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .1114- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 f.b.p., 310 e.p., tanks, dlvd. Los Angeles, gal. .10 - —
San Francisco....gal. .1014- —
Portland, Seattle..gal. .11 - —
East Coast, tanks.....gal. .09 - .0914
Group 3, tanks.....gal. .0634- .07
tankwagon, Boston, ex tax, gal. .1414- —
Chicago, inc. 4c. tax...gal. .17 - —
Des Moines, inc. 4c. tax.gal. .1890- —
Decatur, inc. 4c. tax...gal. .1910- —
Evansville, Ind., ex tax, gal. .1520-.1620
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .1114- —
New York, ex tax.....gal. .1014- —
Omaha, ex tax.....gal. .1490-.1590
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1570- —

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That is exactly why so many users of solvents depend on *Skellysolve*—and on *Skellysolve Service.* When an emergency arises—Skellysolve Service meets it. When you must have the right type of solvent and must have it f-a-s-t—Skellysolve Service *gets it there.* When you have a problem that requires specialized technical knowledge—Skellysolve Service tackles it with sleeves rolled up.

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SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.

Petroleum, solvent, rubber at refinery, California (f.o.b. San Francisco), bbls..gal.	.24	—
East Coast, tanks.....gal.	.09½	—
Group 3, light, 120 i.b.p., 250 ep., tanks..gal.	.06⅞	.07
standard, 180 i.b.p., 288 e.p., tanks..gal.	.06⅝	.07
Stoddard (CS 8-33), at refinery:—		
California (f.o.b. San Francisco), tanks..gal.	.11	—
East Coast, tanks.....gal.	.0830	.09½
Group 3, tanks.....gal.	.06¾	.06½
tankwagon, Boston, ex tax, gal.	.14	—
Chicago, inc. 4c. tax..gal.	.1640	—
Decatur, inc. 4c. tax..gal.	.1860	—
Des Moines, inc. 4c. tax.gal.	.1840	—
Evansville, Ind., ex tax.gal.	.14	.15
Milwaukee, inc. 5c. tax.gal.	.1980	—
Minneapolis-St. Paul, inc. 5c. tax..gal.	.1820	—
Newark, ex tax.....gal.	.09½	—
New Orleans, ex tax..gal.	.11	—
New York, ex tax.....gal.	.09½	—
Omaha .....gal.	.1360	.1450
Philadelphia, ex tax..gal.	.13	—
St. Louis, inc. 1c. tax..gal.	.1340	—
Tulsa, ex tax.....gal.	.10½	.11½
Phenobarbital, 5-lb. bots.....lb.	**3.95**	—
bots. ar cns., 100 lbs., spot or contract..lb.	**3.60**	—
25-lb. cns.....lb.	**3.85**	—
Phenol, USP, dms., c.l., works, frt. equald..lb.	**.12**	—
l.c.l., same basis.....lb.	**.12¾**	—
under 1,000 lbs.....lb.	**.13¾**	—
tanks, works.....lb.	**.11**	—
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb.	**.85**	—
bbls., dms., kegs., 100-250 lbs., lb.	**.87**	**.89**
yellow, fib. dms., 2,000-lb. lots, lb.	**.80**	—
100-lb. fib. dms.....lb.	**.82**	—
25-lb. dms.....lb.	**.87**	—
50-lb. kgs.....lb.	**.84**	—
Phenyl chloride, dms.....lb.	**.17**	—
Phenylacetaldehyde, bots.....lb.	**2.10**	**2.50**
Dimethylacetate, cns.....lb.	**14.50**	**15.00**
Phenyl ethyl acetate, cns.....lb.	**2.90**	**3.00**
Phenylethylphenyl acetate, bots., lb.	**8.00**	**15.00**
Phenylhydrazine, base, CP, bots, lb.	4.00	—
hydrochloride, CP, bots., works, lb.	4.00	—
commercial, kgs., works....lb.	1.50	—
pure, bbls., works.....lb.	2.25	—
Phlorogiucinol, CP, tins, wks..lb.	20.00	22.00
tech., tins, works.....lb.	15.00	16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton.	4.35	—
land pbble, 68% min., bulk, mines..long ton.	1.90	—
70% min., bulk, mines.... long ton.	2.15	—
72% min., bulk, mines.... long ton.	2.40	—
75% basis, 74% min., bulk, mines..long ton.	2.90	—
Tenn., 72% bulk, mines..... long ton.	4.50	—
75% bulk, mines..long ton.	5.50	—
Phosphorus, red, cs.....lb.	.40	.44
yellow, dms.....lb.	.18	.20
cases .....lb.	.23	.25
Oxychloride, cyls.....lb.	.15	.18
Pentoxide, dms., c.l., works..lb.	.11	.12
l.c.l., dms., works.....lb.	.13	.14
Sesquisulphide, cs.....lb.	.38	.42
Trichloride, cyls.....lb.	.15	.16
Phthalamide, bbls., works, tons.lb.	.35	—
single bbls., works.....lb.	.40	—
kgs., works.....lb.	.45	.50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb.	.14½	—
l.c.l., same basis.....lb.	.15½	—
Pichi leaves, bgs.....lb.	.10	.11
Pilocarpine hydrochloride, bots., vis..oz.	3.75	4.00
Nitrate, bots., vis.....oz.	3.75	4.00
Pimento, bags.....lb.	.28	.29
Pinkroot, bls.....lb.	.40	.41
Pitch, burgundy (see B).		
Coaltar, 160° m.p., bbls., c.l., works..ton.	19.00	—
l.c.l. .....ton.	22.00	—
Hardwood, 1-time dms., c.l., dlvd. Akron..ton.	23.75	24.00
Linseed, dms.....lb.	.05	.05½
Petroleum (see Asphaltum, Mexican, Texas)		
Pine, bbls.....bbl.	6.00	6.50
Plaster of Paris (see Gypsum).		
Pleurisy root, Southern, bls....lb.	.12	.13
Podophyllin, dms., dlvd. E. of Miss..lb.	4.50	4.70
Poke root, bls.....lb.	.07	.07½
Pomegranate bark, bgs.....lb.	.52	.53
Root bark, bgs.....lb.	.47	.48
Poppy flowers, red, bls.....lb.	.70	.75
Seed, Dutch, bgs.....lb.	.30	.31
Hungarian, bgs.....lb.	.29½	.30
Roumanian, bgs.....lb.	.28	.29
Turkish, bgs.....lb.	.27	.27¼
Potash abietate.....lb.	.08	—
Acetate, tech., bbls., dlvd....lb.	.26	—
kgs., dlvd.....lb.	.28	—
USP, bbls., 250 lbs.....lb.	.28	—
kgs., 100 lbs.....lb.	.30	—
cns., 25 lbs.....lb.	.31	.44
Arsenite, USP, solut., cbys., 100 lbs..lb.	.11	—
demj., 50 lbs.....lb.	.12	—
Bicarbonate, USP, cryst., bbls., 300 lbs..lb.	.17	—
kgs., 100 lbs.....lb.	.19	—
gran., bbls., 250 lbs.....lb.	.17	—
kgs., 100 lbs.....lb.	.19	—
Bichromate, spot, c.l., works.lb.	.08¾	—
6 casks or 10 bbls., or over, works..lb.	.09	—
5 casks or 9 bbls., or less, works..lb.	.09¼	—
Bromide, USP, gran., bbls., 500 lbs..lb.	.27	—
fib. dms., 100 lbs.....lb.	.28	—
Carbonate, calc., dms., c.l., works..lb.	.06½	—
l.c.l., same basis.....lb.	.06¾	—
hydrated, 83-85%, bbls., c.l., works..lb.	.05½	—
l.c.l., same basis.....lb.	.05¾	—
liquid, dms., c.l., works, frt. alld..lb.	.03	—
l.c.l., dms., same basis.lb.	.03¼	—
tanks, same basis.....lb.	.02¾	—
USP, gran., bbls., 325 lbs..lb.	.14	—
powd., bbls., 325 lbs.....lb.	.19	—
kgs., 100 lbs.....lb.	.21	—
Caustic, flake, 88-92%, dom., c.l., works..lb.	.07	—
import, dms.....lb.	No prices	
liquid, 45% basis, dms.....lb.	.03½	.03¾
tanks .....lb.	.02¾	—
solid, 88-92%, dom., dms., c.l., works..lb.	.06¼	—
l.c.l. .....lb.	.06½	.06¾
import, dms.....lb.	No prices	
Chlorate, cryst., kgs.....lb.	.11	Nom.
pwd., kgs.....lb.	.09½	.10

Potash, chloride, tech., 98%, cryst., bgs., kgs..lb.	.04	Nom.
Chromate, kgs.....lb.	.24	.27
Citrate, USP, gran., bbls., 250 lbs..lb.	.33½	—
kgs., 100 lbs.....lb.	.34½	—
cns., 50 lbs.....lb.	.35½	—
cns., 25 lbs.....lb.	.37½	—
Cyanide, dom., dms., works..lb.	.55	—
Cyanide, gold, 11% gold, bots., works..oz.	14.20	14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb.	1.00	—
100-lb. lots.....lb.	1.10	—
50-lb. lots, cbys., or cns., lb.	1.15	—
25-lb. lots, cns.....lb.	1.25	—
Gualacolsulphonate, fib., dms., 100-lb. lots..lb.	1.60	1.65
cns., 25 lbs.....lb.	1.75	—
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb.	.32	.34
Hypophosphite, cns., 100 lbs..lb.	.72	—
25 to 50 lbs.....lb.	.75	—
Iodate, bots., 5 lbs.....lb.	3.35	—
cns., 25 lbs.....lb.	3.46	—
Iodide, bbls., 250 lbs.....lb.	1.20	—
bots., or cns.....lb.	1.29	1.55
dms.....lb.	1.20	1.25
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports.. ton.	No prices	
Manure salt, dom., min., 30%, K_2O, bulk, ex vessels, ports. unit-ton.	.60	—
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton.	No prices	

Domestic manure salt prices, basis f.o.b., Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price named above. Prices in bags are $2 per ton higher than bulk prices.

Potash, metabisulphite, kgs...lb.	.19	Nom.
Muriate, dom., min., 50% or 62%, K_2O, bulk, ex-vessel, ports..unit-ton.	.53½	—
import, min., 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port..unit-ton.	No prices	

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices, basis f.o.b. Trona, Cal., are 8c. per unit of K_2O less than the ex-vessel price. Prices in bags are $2 per ton higher than the bulk price.

Oxalate, pure, cryst., kgs....lb.	.30	.31
tech., bbls.....lb.	.25	.26
Nitrate, crude, bgs., c.i.f. ports. ton.	No prices	
Perchlorate, kgs., works.....lb.	.09½	.11
Permanganate, tech., dms...lb.	.19¼	.19¾
U.S.P., dms.....lb.	.20	.20½
Prussiate, red, bbls.....lb.	No prices	
Yellow, bbls.....lb.	.16	.18
Recineleate, tech., bbls.....lb.	.13	—
Silicate alkaline, lumps, bgs..lb.	.07	—
Sulphate, NF, cryst., 400 lbs., bbls..lb.	.18	Nom.
100-lb. kgs.....lb.	.20	—
powd., 350 lbs., bbls....lb.	.19	Nom.
100-lb. kgs.....lb.	.21	—
tech., dom., bgs., basis 90%, K_2SO_4, ex-vessel, ports. ton.	36.25	—
bulk, same basis.....ton.	34.25	—
imp., min., 90%, bgs., ex-vessel, Atl. or Gulf ports. ton.	No prices	
Xanthate, dms., c.l.....lb.	.13	—
Potash-magnesia, sulphate, dom., bgs., 40%, K_2SO_4, ex-vessel, ports..ton.	27.00	—
bulk, same basis.....ton.	25.00	—

Petroleum—Putty

Potash-soda ferricyanide, dms., works..lb.	.36	.39
Potash titanium oxalate, 350-lb. bbls..lb.	.40	—
100-lb. dms.....lb.	.40	—
Prickly ash bark, bls.....lb.	.12	.13
Berries, bgs.....lb.	.28	.30
Prince's pine herb, bls.....lb.	.22	.23
Propane, tanks, Group 3.....gal.	.03¾	.04
Psyllium seed (see Fleaseed).		
Pulsatilla, bls.....lb.	.85	.90
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F., and coarser, bbls., 8 or over, works..lb.	No prices	
less than 3, works.....lb.	No prices	
F and I, bbls., 3 or over, works..lb.	No prices	
less than 3, works.....lb.	No prices	
O, O—½, O—¾, and ½, bbls., 3 or over, works..lb.	No prices	
less than 3, works.....lb.	No prices	
Ital.-grd., bgs., c.l., ship., ex dock, N.Y..ton.	No prices	
l.c.l., 5-29 tons, ex whse.. ton.	No prices	
1,000-10,000 lbs., ex whse. ton.	No prices	
2 bgs. to 1,000 lbs., ex whse..ton.	No prices	
single bgs., ex whse..ton.	No prices	
Pumpkin seed, bgs.....lb.	.10	.11
Purple lake (see Red).		
Putty, com'l, dms.....100 lbs.	3.15	—
linseed oil, raw, dms....100 lbs.	5.00	—
refined, dm.....100 lbs.	5.50	—
standard, dms.....100 lbs.	4.20	—

UVERSOLS
(NAPHTHENATES)

LINOLEATES

OLEATES

PASTES

RESINATES

SALTS

SOYATES

LAURATES

STEARATES

Harshaw Driers and Metallic Soaps, being uniform, tend to increase efficiency, speed up production and simplify control of your finished product..... Use Harshaw quality paint and varnish driers to meet urgent requirements of 1941.

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QUALITY PRODUCTS SINCE 1892

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Works at Cleveland and Elyria, Ohio, and Philadelphia, Pa.

Pyrethrum—Rosemary

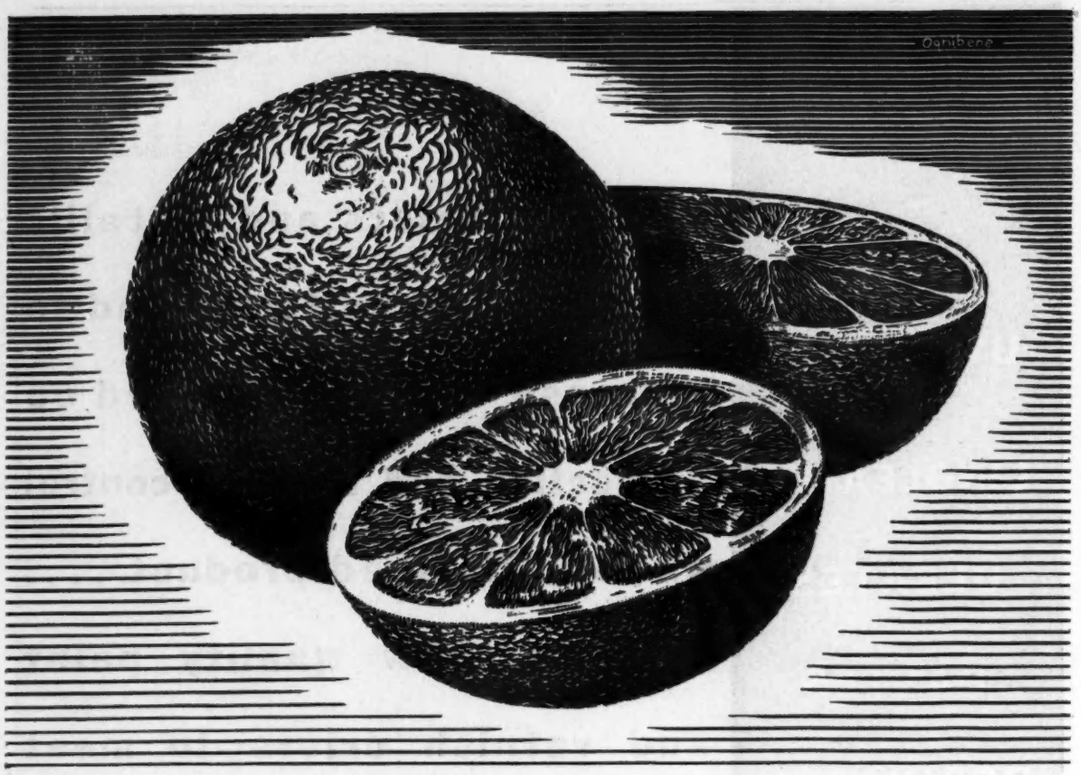
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd..gal. 4.75 - 4.95
(30 to 1-, 3 grams pyrethins per 100 cc., dms., dlvd..gal. 7.20 - —
Pyrethrum flowers, coarse, grnd. (g.f.p.), 9% pyrethrins, frt. alld., bbls..lb. .23 - .25
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .25 - .26
Pyridin, denaturing, dms....gal. 1.71 - —
refd., 2°, dms.....lb. .48 - —
Pyrites Spanish, bulk, c.i.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis.....ton.12.00 - —
No. 3, 200 mesh, c.l., mines.ton. 7.50 - —
325 mesh, same basis.....ton.12.00 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
Pyroxylin, shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04¼- —
tanks, works.....lb. .03¾- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04⅞- —
clarified, 64%, bgs., c.l., same basis..lb. .05¼- —
Queen of the meadow leaves, bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 50°, bbls..lb. .08½- .09½
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y..flask.163.00 -165.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask.250.00 - —
ex store.....flask.252.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns.oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —
Subject to surcharge of 7c. per oz.; see note under Quinine.
Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cans.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .60 - —
Quinine, citrate, cns.....oz. .18 - —
Dihydrobromide, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns.....oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydroiodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbonate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .63 - —
Tartrate, cns.....oz. 1.03 - —
Valerate, cns.....oz. .99 - —
Quinine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .81 - —
Subject to surcharge of 7c. per oz.; see note under Quinine.

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .06 - .06½
Dutch, bgs.....lb. No stocks
Indian, small, recleaned, bgs.lb. .06¼- .06¾
medium, recleaned, bags...lb. .07⅛- .08
Japanese, bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .60 - .65
Red, alizarin lake, bbls., dlvd. N. of Tenn., and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
kgs., ton lots, same basis, lb. 1.05 - —
smaller lots, same basis, lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
Selenide, bbls., light, works..lb. 2.20 - —
maroon, works.....lb. 2.70 - —
Carmine, 40, dms., 100 lbs...lb. 4.50 - —
50 lbs.....lb. 4.60 - —
cns., 5 lbs.....lb. 4.75 - —
1 lb.....lb. 4.85 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Fire, toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07⅛- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Lithol toner, bbls., same basis, alizarin, lake, contracts.lb. .85 - —
open order.....lb. .80 - —
Rose lake, bbls.....lb. .20 - .23
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25% kgs., same basis, alizarin lake, contracts..lb. .40 - —
Oxide (see Red), purple oxide).
Mercury oxide, tech., dom., bbls. lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works. lb. .06½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .05 - —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05½- —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple laks, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y..lb. .04½- —
Toluidine toner, kgs., same basis, alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls.....lb. 3.12 3.17
Red dyes are listed under Dyes.
Red, precipitate, N. F., powd., fib., dms., 50 lbs. or more..lb. 3.06 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200 lb. dms., frt., alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
U.S.P., cryst, 100 lbs., dms., frt., alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs.....lb. .38 - .40
powd., bbls., kgs.....lb. .43 - .45
Riboflavin .....gram. 1.75 - 2.25
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .32½- —
smaller lots.....lb. .33 - —
powd., bbls., 5,000 lbs., 1 ship't.lb. .31½- —
smaller lots.....lb. .32 - —
Rose flowers, pale, bls.....lb. .45 - .50
red, bls.....lb. 2.50 - 3.00
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .11 - .12



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The better the earth, the better the crop. It is the same with manufactured products, too. Niagara is helping many manufacturers improve the quality of their finished goods by supplying them with the "good earth" of carefully produced basic materials — Caustic Potash, Caustic Soda, and Carbonate of Potash. Give your products the benefit of the skill and experience that goes into the making of these Niagara materials.

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60 EAST 42nd STREET, NEW YORK, N. Y.
Affiliated with Electro Bleaching Gas Company, Pioneer Manufacturer of Liquid Chlorine

CAUSTIC SODA
CARBONATE OF POTASH
CAUSTIC POTASH

Rosin, gum E, bbls., ex dock..			
	100 lbs.	2.05 -	—
D, bbls.	100 lbs.	2.13 -	—
E, bbls.	100 lbs.	2.15 -	—
F, bbls.	100 lbs.	2.17 -	—
G, bbls.	100 lbs.	2.18 -	—
H, bbls.	100 lbs.	2.21 -	—
I, bbls.	100 lbs.	2.23 -	—
K, bbls.	100 lbs.	2.60 -	—
M, bbls.	100 lbs.	2.65 -	—
N, bbls.	100 lbs.	2.80 -	—
W. G., bbls.	100 lbs.	3.10 -	—
W. W., bbls.	100 lb.	3.31 -	—
X, bbls.	100 lbs.	3.31 -	—
Rottenstone, dom., bgs., c.l., f.o.b. mines..	ton.	23.50 -	—
l.c.l., f.o.b. mines.	ton.	37.50 -	—
Import, lump, bbls.	lb.	No prices	
powd., bbls.	lb.	No prices	
Rue, bls.	lb.	.30 -	.35

S

Sabadilla seed, powd., bbls.	lb.	.22 -	.23
Saccharin, dms., 100 lbs.	lb.	1.45 -	—
cns., 25 lbs.	lb.	1.48 -	1.50
Safflower, bls.	lb.	.35 -	.40
Saffron, Mexican, bls.	lb.	.35 -	.40
Spanish, tins	lb.	23.00 -	24.00
Safrol, cns.	lb.	.90 -	—
dms.	lb.	.85 -	—
Sage, Dalmatian, garden, bls.	lb.	No stocks	
stemless, bls.	lb.	No stocks	
ground, bbls.	lb.	1.40 -	1.45
Greek, bls.	lb.	.65 -	.70
Spanish, bls.	lb.	.35 -	.38
Sago flour, bgs.	lb.	.03½ -	.04
Salicin, bots., 5 lbs.	lb.	7.04 -	—
cns., 25 lbs.	lb.	7.00 -	—
Salol, gran., bbls., 200 lbs.	lb.	.90 -	—
bxs., 25 lbs.	lb.	.93 -	—
kgs., 100 lbs.	lb.	.90 -	—
powd., fib. dms., 25 lbs.	lb.	1.03 -	—
kgs., 100 lbs.	lb.	1.00 -	—
Salt, rock, bgs., dlvd., N.Y.	ton.	13.70 -	—
l.c.l., bgs., dlvd., N.Y.	ton.	15.50 -	16.10
vacuum, common, fine, bgs., c.l., dlvd., N.Y.	ton.	15.70 -	—
l.c.l., dlvd., N.Y.	ton.	16.60 -	19.70
Saltcake, grd., dom., bbls., works.	ton.	24.00	Nom.
bulk, works	ton.	17.00	Nom.
import, bulk, c.i.f.	ton.	16.50	Nom.
Chrome (see Chrome cake).			
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls.	100 lbs.	8.60 -	9.60
1-9 tons	100 lbs.	8.75 -	9.75
less than ton lots.	100 lbs.	9.00 -	10.00
gran., bbls., 10-20 tons	100 lbs.	7.60 -	—
1-9 tons	100 lbs.	7.75 -	—
less than ton lots.	100 lbs.	8.00 -	—
powd., bbls., 10-20 tons.	100 lbs.	8.60 -	—
1-9 tons	100 lbs.	8.75 -	—
less than ton lots.	100 lbs.	9.00 -	—
Santonin, cryst., cns.	kilo.	150.00 -	155.00
Saponin, crude, cns.	lb.	2.25 -	2.50
Purified, cns., 25 lbs.	lb.	3.00 -	3.25
Sarsaparilla root, Honduras, bls., f.b.	lb.	.28 -	.30
Mexican, bls.	lb.	.16 -	.18
Sassafras, bark, ord., bls.	lb.	.13 -	.14
select, bls.	lb.	.19 -	.20
Savory, bales	lb.	1.50 -	1.60
Saw palmetto berries, bgs.	lb.	.08 -	.09
Scammony root, bgs.	lb.	.07 -	.08
resin, lump, cns.	lb.	.85 -	—
powd., bxs.	lb.	.90 -	—
Schaeffer's salt, bgs.	lb.	.46 -	—
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment.	lb.	.25½ -	—
smaller lots.	lb.	.26 -	—
kegs, 5,000 lbs., 1 shipm't.	lb.	.26 -	—
smaller lots.	lb.	.26½ -	—
Selenium, pwd. A, 10-lb. tins.	lb.	2.00 -	—
100-lb. cases.	lb.	1.75 -	—
Senega root, spot, bls.	lb.	.85 -	.87
Senna leaves, Alexandria, half leaf, bls.	lb.	.18 -	.20
siftings, bgs.	lb.	.17 -	.19
Tinnevelly, No. 1, bls.	lb.	.12 -	.13
2 bls.	lb.	.10 -	.11
3 bls.	lb.	.08½ -	.09
powd., bbls., bxs.	lb.	.12 -	.18
Pods, bls.	lb.	.09 -	.10
Serpentaria root, bls.	lb.	.60 -	.65
Shellac, bleached, bonedry, bbls., f.o.b. N.Y.	lb.	.26 -	.27
dlvd., Boston	lb.	.26½ -	.27½
Chicago	lb.	.26¾ -	.27¾
Pacific Coast.	lb.	.29 -	.30
rfd., bbls., f.o.b. N.Y.	lb.	.32 -	.33
dlvd., Boston	lb.	.32½ -	.33½
Chicago	lb.	.32¾ -	.33¾
Pacific Coast.	lb.	.35 -	.36
Garnet, bgs.	lb.	.20 -	.21
D.C., V.S.O., or Diamond I. cs.	lb.	.27 -	.28
Superfine, bgs., f.o.b. Bost., N.Y.	lb.	.16½ -	.17
dlvd., Chicago	lb.	.17 -	.17½
Pacific Coast.	lb.	.19½ -	.20
T.N., bgs., f.o.b. Bost., N.Y.	lb.	.16 -	.16½
dlvd., Chicago	lb.	.16½ -	.17
Pacific Coast.	lb.	.19 -	.19½
Varnish, Metro, area, orange, 5-lb. cut, bbls.	gal.	1.15 -	1.20
4½-lb. cut, bbls.	gal.	1.10 -	1.15
4-lb. cut, bbls.	gal.	1.05 -	1.10
white, 5-lb. cut, bbls.	gal.	1.25 -	1.30
4½-lb. cut, bbls.	gal.	1.20 -	1.25
4-lb. cut, bbls.	gal.	1.15 -	1.20
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.			
Silica, amorph, dry-grd., 95-97%, 325 mesh, bgs., c.l., works.	ton.	17.00 -	—
l.c.l., 2½ tons, works.	ton.	19.00 -	—
smaller lots, works.	ton.	20.00 -	—
wet-grd., 95-97%, 325 mesh, bgs., c.l., works.	ton.	19.00 -	—
l.c.l., 2½ tons, works.	ton.	21.00 -	—
smaller lots, works.	ton.	25.00 -	—
95-97%, 400 mesh, bgs., c.l., works.	ton.	30.00 -	—
l.c.l., 2½ tons, works.	ton.	35.00 -	—
smaller lots, works.	ton.	38.00 -	—
96-98%, 325 mesh, bgs., c.l., works.	ton.	20.00 -	—
l.c.l., 2½ tons, wks.	ton.	21.50 -	—
smaller lots, works.	ton.	23.00 -	—
amorph., wet-grd., 99%, 325 mesh, bgs., c.l., works.	ton.	22.00 -	—
l.c.l., 2½ tons, works.	ton.	25.50 -	—
smaller lots.	ton.	27.00 -	—
hard-quartz, 99½%, 325 mesh, bgs., c.l., works.	ton.	13.50 -	—
l.c.l., works.	ton.	18.50 -	—
140 mesh, bgs., c.l., works.	ton.	11.00 -	—
l.c.l., works.	ton.	16.00 -	—
Silver, bullion	oz.	.34¾ -	—
Govt. purchase, dom., metal.	oz.	.7111 -	—
Govt. purchase, foreign metal.	oz.	.35 -	—
Cyanide, cns., 2,500 ozs.	oz.	No prices	
1,000 ozs.	oz.	No prices	
500 ozs.	oz.	No prices	
80 to 100 ozs.	oz.	No prices	
Silver, nitrate, vis.	oz.	.26¾ -	—
Nucleinate, bots., cns., 480-oz. lots.	oz.	.30 -	.31
Proteinate, bots., cns., 480-oz. lots.	oz.	.29 -	.30
Simarubra barks, bls.	lb.	.30 -	.35
Skullcap, Eastern, bls.	lb.	.29 -	.34
Western, bls.	lb.	.14 -	.15
Skunk cabbage root, bls.	lb.	.11 -	.12
Slate flour, bgs., c.l., works.	ton.	9.00 -	—
l.c.l., works.	ton.	10.00 -	15.00
Sloe berries, bgs.	lb.	.20 -	.22
Smalt, black, extra velvet, cnts., lb.	lb.	.05 -	.06
Blue, cnts.	lb.	.07 -	.06½
Snakeroot, Canada, bls.	lb.	.24 -	.26
Soapbark, bls.	lb.	.13 -	.14
crushed, bls., bbls.	lb.	.16 -	.17
cut, German, bls., bbls.	lb.	No stocks	
dom., bbls.	lb.	.22 -	.23
powd., bbls.	lb.	.20 -	.21
Soda, acetate, anhyd., dms., dlvd. lb.	lb.	.08¼ -	.10
flake, gran., powd., 60%, dms., c.l., dlvd.	lb.	.04 -	—
l.c.l., dlvd.	lb.	.04¼ -	.05
powd., 90%, dms., c.l., dlvd., lb.	lb.	.06 -	—
l.c.l., dlvd.	lb.	.06¾ -	—
Alginate, dms., bbls., works.	lb.	.29 -	.70
Antimoniate, bbls., dlvd.	lb.	.14 -	.14½
Arsenate, dms., dealers, c.l., works.	lb.	.07 -	.08
l.c.l., dms., works.	lb.	.07¾ -	.08¾
Arsenite, dry, gray, dms., c.l., dealers, works.	lb.	.06½ -	.07½
l.c.l., dms., works.	lb.	.07¼ -	.09¼
Soda, arsenite, white, dms., c.l., dealers, works.	lb.	.08 -	.09
l.c.l., dms., works.	lb.	.08¾ -	.10¾

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works.	100 lbs.	1.10 -	—
l.c.l., Zone 1.	100 lbs.	2.13 -	—
2	100 lbs.	2.28 -	—
3	100 lbs.	2.53 -	—
4	100 lbs.	2.93 -	—
bbls., c.l., works.	100 lbs.	1.35 -	—
l.c.l., Zone 1.	100 lbs.	2.35 -	—
2	100 lbs.	2.50 -	—
3	100 lbs.	2.75 -	—
4	100 lbs.	3.15 -	—
bulk, c.l., works.	100 lbs.	.95 -	—
extra light, 58%, bgs., c.l.,	100 lbs.	1.05 -	1.08
l.c.l., Zone 1.	100 lbs.	2.08 -	—
2	100 lbs.	2.23 -	—
3	100 lbs.	2.48 -	—
4	100 lbs.	2.88 -	—
bbls., c.l., works.	100 lbs.	1.45 -	—
l.c.l., Zone 1.	100 lbs.	— -	—
2	100 lbs.	2.60 -	—
3	100 lbs.	2.85 -	—
4	100 lbs.	3.25 -	—
bulk, c.l.	100 lbs.	.90 -	—
light, 58%, bgs., c.l., works,	lbs.	1.05 -	1.08
l.c.l., Zone 1.	100 lbs.	2.08 -	—
2	100 lbs.	2.23 -	—
3	100 lbs.	2.48 -	—
4	100 lbs.	2.88 -	—

Rosin, Gum—Soda Benzoate

Soda, ash, light, 58%, bbls., c.l., works.	100 lbs.	1.35 -	—
bbls., l.c.l., Zone 1.	100 lbs.	2.35 -	—
2	100 lbs.	2.50 -	—
3	100 lbs.	2.75 -	—
4	100 lbs.	3.15 -	—
bulk, c.l.	100 lbs.	.90 -	—

Soda ash l.c.l prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Mo., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 93° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 93° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Benzoate, tech., bbls., 4,000 lbs. or more.	lb.	.39 -	—
1,000 to 3,900 lbs.	lb.	.40 -	—
900 lbs. or less	lb.	.43 -	—

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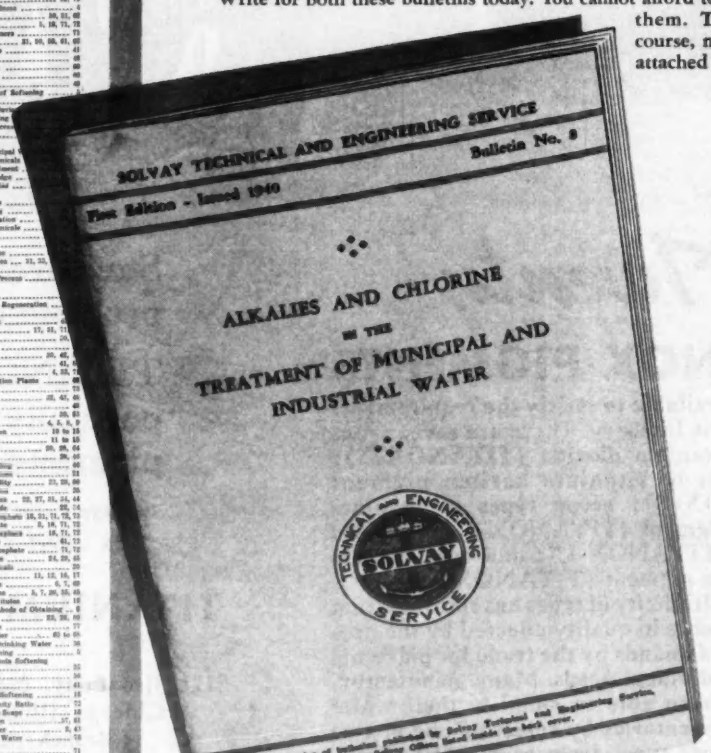

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TRADE MARK

Soda, benzoate, USP, bbls., fib., 4,000 lbs. or more..lb. .48 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works... 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works, lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks., or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11½- .12
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works.. 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works.. 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber dms., 100 lbs.....lb. .28 - —
Cacodylate, 1-kilo bots.....lb. No price
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works...100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works, 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works, 100 lbs. 2.00 - —
solid, 76% ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works..lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08¾- —
smaller quantities.....lb. .08¾- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms., lb. .14 - .15
imports, 90%, cs.....lb. No price
Diacetate, 33-35% acidity, bbls., divd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis..lb. .07¼- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., works, frt. equal'd..100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l. works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works, 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots.....lb. 2.53 - 2.57
Mandelate, dms., 100-lb. dms..lb. 3.25 - —
Metantlate, bxs.....lb. .41 Nom.
Metasilicate, anhydr., dms., c.l., works, frt. equald..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis.. 100 lbs. 4.80 - —
1-2 dms., same basis.. 100 lbs. 5.05 - —
Soda, metasilicate, gran., bbls., c.l., works..lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, rail or boat shipment..ton. 20.40 - —
200-lb. bgs., same basis.. ton. 28.70 - —
bulk, same basis.....ton. 27.00 - —
rfd., gran., bbls., 10 ton.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons..100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized, lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .06 - —
l.c.l. .....lb. .08¼- .11½
Soda nitrite l.c.l. prices range represents delivery at various points.
Othosilicate, anhy., dms., c.l., works, frt. equal'd..lb. 4.50 - —
15 dms. and over, same basis..lb. 5.45 - —
3-14 dms., same basis..lb. 5.60 - —
1-2 dms., same basis..lb. 5.85 - —
flake, dms., c.l., works.. 100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. 11¼- —
490 lbs., bgs., works.....lb. .17¼- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works ..100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works....100 lbs. 2.45 - —
l.c.l., works ....100 lbs. 2.85 - —
bgs., c.l., works...100 lbs. 2.95 - —
l.c.l., works ....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works..lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt. equal'd..100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1..100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works, 100 lbs. 2.00 - —
10 dms. or over, dlvd. N. Y. C., lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 49° turbid, dms., c.l., works..lbs. .80 - —
l.c.l. 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
Silicofluoride, dom., bbls....lb. No prices
import, bbls.....lb. .08¼ Nom.
Stannate, dms.....lb. .32½- .35¼
Stearate, lump, powd., bbls., works..lb. .19 - .34
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.60
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.10
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works...100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.50 - 2.75
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, bbls., dms..lb. .27 - .31
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works....lb. .08 - —
tanks, works.....lb. .04½- —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15¼- —
smaller lots, works.....lb. .15¾- —
Soybean protein, bgs., c.l., works, lb. .11½- —
l.c.l., works.....lb. .11¾- .15
Sparteine sulphate, cns.....oz. 3.00 - 3.25
Spearmint leaves, bls.....lb. .30 - .31
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01½- —
tanks, works.....lb. .01½- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01½- —
tanks, works.....lb. .01¾- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. 1.25 - 1.30
White, bls.....lb. No prices
powd., bbls., bxs.....lb. No prices
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.95 - —
dlvd., N. Y.....100 lbs. 3.30 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.05 - —
dlvd., N. Y.....100 lbs. 3.40 - —
Potato, dom., bgs.....lb. .04½- .05½
import, bgs.....lb. No price
Rice, bbls.....lb. .07½- .08½
Sweetpotato, bgs.....lb. .06¼- —
bbls. .....lb. .07 - —
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, oleo, bbls.....lb. .06⅜ Nom.
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .75 - .80
Stramonium leaves, bls.....lb. .45 - .50
Strontium bromide, cns.....lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. .25 Nom.
Chloride, tech., bbls.....lb. .20 - .22
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs..lb. 3.75 - 4.00
Strolyl acetate, bots.....lb. 3.10 - 3.20
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose Octa-acetate, denat. grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton. 16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton. 17.50 - —
Flowers, USP, bgs., c.l., mine, 100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
bbls., c.l., mine.....100 lbs. 3.15 - —
l.c.l., mine.....100 lbs. 3.70 - —
Flour, comm'l., bgs., c.l., mine, 100 lbs. 1.40 - —
l.c.l., mine.....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine, 100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine.....100 lbs. 2.90 - —
bbls., c.l., mine.....100 lbs. 2.70 - —
l.c.l., mine.....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine.....100 lbs. 3.00 - —
bbls., c.l., mine.....100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
lump, bgs., c.l., mine..100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
bbls., c.l., mine.....100 lbs. 2.10 - —
l.c.l., mine.....100 lbs. 2.65 - —
roll, bgs., c.l., mine....100 lbs. 2.15 - —
l.c.l., mine.....100 lbs. 2.70 - —
bbls., c.l., mine.....100 lbs. 2.30 - —
l.c.l., mine.....100 lbs. 2.85 - —
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.00 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.85 - —
Chloride, 55-gal. dms., c.l....lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
Extract, 42°, bbls.....lb. .06 - .06¼
51°, bbls.....lb. .07 - .07¼
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06½- .07
medium, bgs.....lb. .06 - .06¼
poultry, Argentine.....lb. .05¼- .05⅝
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 40-48%, a.p.a., bulk, fob. Balto..unit-ton. .68 - —

Soda, Benzoate—Titanium

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton. 20.00 - —
2, bgs., c.l., mills.....ton. 17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills..ton. 14.00 - 16.00
l.c.l., mills.....ton. 16.00 - 18.00
96-98%, 325 mesh, c.l., mills, ton. 15.00 - 17.00
l.c.l., mills.....ton. 17.00 - 19.00
98-99½%, 325 mesh., bgs., c.l., mills..ton. 15.25 - 17.25
l.c.l., mills.....ton. 17.25 - 19.25
98-99½%, 325 mesh, bgs., l.c.l., mills.....ton. 17.25 - 19.25
99.85-99.95%, 325 mesh., bgs., c.l., mills..ton. 17.00 - 19.00
coarse, off color, bgs., c.l., mills..ton. 11.00 - 13.00
Ohio, flake, type grd., bgs., c.l., mills..ton. 21.00 - —
l.c.l., mills.....ton. 24.50 - —
Vermont, bgs., c.l., mills..ton. 14.00 - —
l.c.l., ex whse.....ton. 25.00 - —
Imp., Canad., bgs., c.l., mills, ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse.....ton. No prices
2, bgs, ex dock, arrival..ton. No prices
Tallow, extra, loose.....lb. .05¼- —
special, loose.....lb. .05¼- —
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾- —
l.c.l. .....lb. .04¾- —
50% (43% fat), dms., c.l..lb. .05¼- —
l.c.l. .....lb. .06¼- —
50% (48% fat), dms., c.l..lb. .05¾- —
l.c.l. .....lb. .06¾- —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 2.50 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 2.50 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 2.60 & .10
high-grade, bulk, Chicago unit-ton. 3.00 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.l.f. ports, January shipments, unit-ton. 2.75 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .03 - .05
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. 1.10 Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more. lb. .39¾- —
less than 5.....lb. .40 - —
USP, powd., bbls.....lb. .45 - —
Terebene, cns.....lb. .75 - .85
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bgs.....lb. .60 - .65
Terpineol, CP, cns.....lb. .26 - —
dms. .....lb. .23 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .18 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms.....lb. 2.90 - 3.00
Sodiosalicylate, cns.....lb. 2.15 Nom.
dms. .....lb. 1.95 Nom.
5-lb. bots.....lb. 2.31 - 2.36
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .65 - .67
Spanish, bls.....lb. .11½- .12
Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.45 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Thiamine hydrochloride, cns.gram. .98 - 1.00
Timbo root (see Cube root).
Tin chloride (ous), anhyd.....lb. .47 - .47½
Crystals, bbls., kgs.....lb. .34 - .38½
Metal, Straits.....lb. .5015- —
Oxide, bbls.....lb. .54 - .56
Tetrachloride, anhyd., bbls...lb. .25¼- .25¾
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .13½- —
l.c.l., 5 tons, single delivery, lb. .13¾- —
1,000-9,999 lbs.....lb. .14 - —
50-999 lbs.....lb. .14¼- —
under 50 lbs.....lb. .16½- —
bbls., c.l. (20 tons).....lb. .13¾- —
l.c.l., 5 tons, single delivery, lb. .14 - —
1,000-9,999 lbs.....lb. .14¼- —
50-999 lbs.....lb. .14½- —
non-chalking, bgs., c.l., (20 tons)..lb. .15½- —
l.c.l., 5 tons, single delivery, lb. .15¾- —
1,000-9,999 lbs.....lb. .16 - —
50-999 lbs.....lb. .16¼- —
under 50 lbs.....lb. .18½- —
chalk-resistant, bbls., c.l., (20 tons)..lb. .15¾- —
l.c.l., 5 tons, single delivery, lb. .16 - —
1,000-9,999 lbs.....lb. .16¼- —
50-999 lbs.....lb. .16½- —
bgs., c.l. (20 tons).....lb. .14 - —
l.c.l., 5 tons, single delivery, lb. .14¼- —
1,000-9,999 lbs.....lb. .14½- —
50-999 lbs.....lb. .14¾- —
under 50 lbs.....lb. .17 - —
bbls., c.l. (20 tons).....lb. .14¼- —
l.c.l., 5 tons, single delivery, lb. .14½- —
1,000-9,999 lbs.....lb. .14¾- —
50-999 lbs.....lb. .15 - —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05½- —
l.c.l. .....lb. .05¾- —
under 50 lbs.....lb. .06½- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —

Titanium—Whiting

Titanium, calcium base, bgs., c.l. (20 tons)..lb. .05¼- —
l.c.l. .....lb. .05⅝- —
under 50 lbs.....lb. .06¼- —
bbls., c.l. (20 tons).....lb. .05½- —
l.c.l. .....lb. .05⅝- —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses.

Toluidin base, distilled, kgs....lb. .98 - —
Tolu, balsam, cns.....lb. .80 - .85
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld. gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l., same basis.....lb. .70 - —
tanks .....lb. .65 -

Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Phosphate, dms., l.c.l., dlvd..lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorobenzene, dms., c.l., frt. alld..lb. .07 - —
l.c.l., same basis.....lb. .07½- —
tanks .....lb. .06½- —
Trichlorethylene, dms., c.l., works., frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I. Ill., Mich., Minn., Wis., Del.; Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N .M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
Tech., dms.....lb. .32 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36¼

Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .32 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bge., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 99%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .07½- .08
Madras, bgs.....lb. .07¼- .07⅞
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .49 - —
l.c.l., 10 ex dock....gal. .51 - —
5 ex dock.....gal. .53 - —
wood, dest., dist., dms., c.l., dlvd. E. ports..gal. .35 - —
l.c.l. .....gal. .36 - —
tanks, dlvd. E. cities..gal. .39 - —
steam-dist., dms., c.l., dlvd.gal. .41 - —
l.c.l., dlvd.....gal. .44 - —
tanks, dlvd.....gal. .36 - —

U

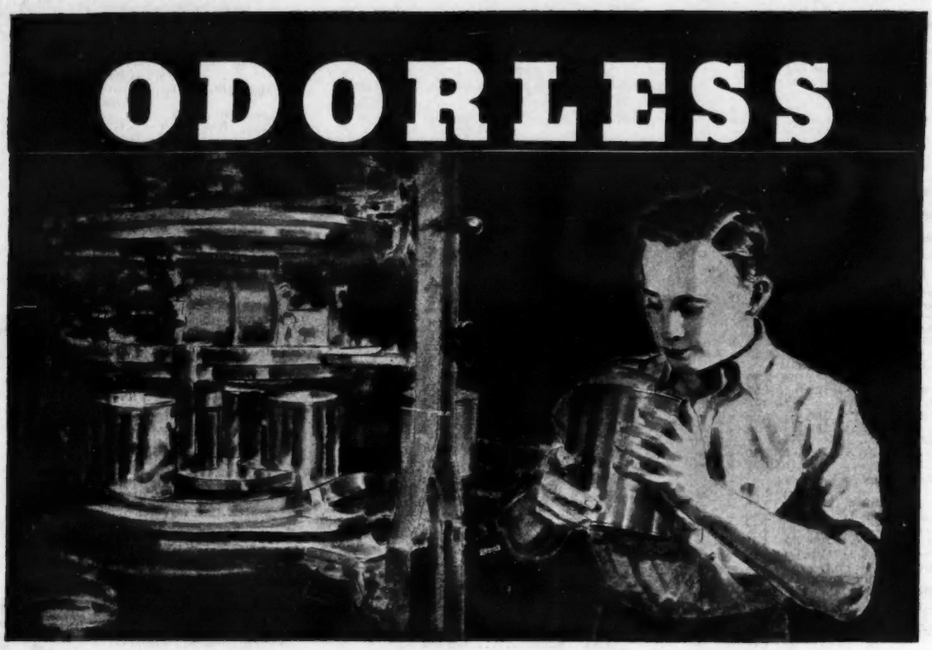
Unicorn root, false (see Helonias root). True (see Aletris root).
Uranium oxide, black, kgs.....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N. C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.85.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.85.00 - —
smaller lots, f.o.b. Newark, New York, Philadelphia, ton.91.00 - —
any quantity, f.o.b. Belle, W. Va..ton.85.00 - —
import, 40% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports.ton.57.40 - —
bags, same basis.....ton.59.40 - —
45% N., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports..ton.127.00 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .85 - .90
Valonia, beards, bgs., f.a.s...ton. No price
cups, bgs., f.a.s.....ton. No price
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 9.50 Nom.
Mexican, tins.....lb. 9.50 Nom.
cuts, tins.....lb. 8.00 Nom.
South American, tins.....lb. 9.50 Nom.
Tahiti, tins.....lb. 5.75 Nom.
Oleoresin, bots.....lb. No quotations
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs.....lb. 1.25 - 1.30
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .40 - .41
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.37.50 -39.50
Extract, solid, bgs.....lb. .03⅞- —
Wax, bayberry, import, bgs..lb. .19 - .20
Bees, white, bleach, slabs, cs., 1 to 5 case lots..lb. .36½- —
cakes, 1 to 5 cs., lots..lb. .37½- —
discs, 1 to 5 cs., lots..lb. .38½- —
yellow, crude, Africa, 10-bg. lots..lb. .30 Nom.
1 bg.....lb. .30½ Nom.
Brazil, bgs., 5-ton lots.lb. .31 - .32
1 ton.....lb. .31½- .32¼
500 lbs.....lb. .32 - .33
100 lbs.....lb. .32¼- .33
refd., slabs, cs., lbs.....lb. .35 - .36
Candelilla, bgs., 1 ton.....lb. .19 - .19½
Jobbing lots.....lb. .19½- .20
Carnauba, No. 3 chalky, bgs., 1 ton..lb. .58 - .59
5 bgs.....lb. .58½- .59½
1 bg.....lb. .59 - .60
N. C., 2, bgs., 1 ton.....lb. .67 - .68
N. C., 3, bgs., 1 ton.....lb. .58 - —
5 bgs.....lb. .59½- .60¼
1 bg.....lb. .60 - .61
refined, bgs.....lb. .64 - .65
yellow, No. 1, bgs., ton....lb. .70 - .71
5 bgs.....lb. .70½- .71½
1 bg.....lb. .71 - .72
No. 2 bgs.....lb. .67 - —
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11 - .11½
jobbing lots.....lb. .12 - .12½
150°-160° m.p., bgs., 1 ton.lb. .13 - .13½
jobbing lots.....lb. .14 - .14½
160° m.p., bgs., 1 ton.....lb. .14 - .14½
jobbing lots.....lb. .15 - .15½
Japan, cs.....lb. .18 - .18½
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ozokerite, hard, green congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
Snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.54 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works.ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., blp. bgs., c.l., works. ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, blp. bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works..ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00



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Whiting, extra bolted, bip. bgs., c.l., works	ton	20.00	- —
l.c.l., works	ton	21.00	- —
bbls., c.l., works	ton	22.00	-23.00
l.c.l., works	ton	23.00	-24.00
pap. bgs., c.l., works	ton	19.00	-20.50
l.c.l., works	ton	20.00	-21.00
Paris white, bip. bgs., c.l., works	ton	19.00	- —
l.c.l., works	ton	20.00	- —
bbls., c.l., works	ton	22.50	-27.50
l.c.l., works	ton	23.00	-28.00
pap. bgs., c.l., works	ton	19.60	-25.10
l.c.l., works	ton	20.00	-26.50
Limestone, air floated, 99.75%, 250 mesh, paper bags, c.l.	ton	9.65	- —
200 mesh, paper bgs., c.l., same basis	ton	8.00	- —
90%, 200 mesh, paper bgs., c.l., same basis	ton	6.25	- —
gilders, bgs. (extra), c.l., works	ton	11.50	- —
l.c.l., 8-20 tons, works	ton	12.50	- —
4-8 tons, works	ton	13.50	- —
2-4 tons, works	ton	14.50	- —
wet-grd., limestone, gilders, extra, bgs., c.l., works	ton	12.50	- —
l.c.l., 8-20 tons, works	ton	13.50	- —
4-8 tons, works	ton	14.50	- —
2-4 tons, works	ton	15.50	- —
putty grade, bgs. (extra), c.l., works	ton	11.00	- —
l.c.l., 8-20 tons, works	ton	12.50	- —
4-8 tons, works	ton	13.00	- —
2-4 tons, works	ton	14.00	- —
water-floated, bgs. (extra), c.l., works	ton	11.50	- —
l.c.l., 8-20 tons, works	ton	12.50	- —
4-8 tons, works	ton	13.50	- —
2-4 tons, works	ton	14.50	- —
Precipitated, bgs., c.l., works	ton	15.00	- —
l.c.l., 5 tons, works	ton	20.00	- —
smaller lots, works	ton	25.00	- —
Wild cherry bark, thick, natural, bls.	lb.	.07	- .08
rossed, bls.	lb.	.05	- .06
thin, natural, bls.	lb.	.07	- .08
rossed, green, bls.	lb.	.10	- .11
Wild indigo root, bls.	lb.	.13	- .14
Witch-hazel extract, dist., NF, tax extra, bbls.	gal.	.40	- .45
leaves, bls.	lb.	.07	- .09
Witherite (see Barium carbonate, natural).			
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y.	ton	24.00	-25.00
80 mesh, same basis	ton	26.00	-28.00
100 mesh, same basis	ton	30.00	-32.00
import, 70 mesh, bgs., ex dock,	ton.		No prices
80 mesh, bgs., ex dock	ton.		No prices
100 mesh, bgs., ex dock	ton.		No prices
120 mesh, bgs., ex dock	ton.		No prices
Wormseed, American, bgs.	lb.	.07	- .08
Levant, bgs.	lb.		No prices
Wormwood, bls.	lb.	1.00	- 1.10

X

Xylol (xylene), indus., dms., returnable, works	gal.	.31	- —
tanks, E. of Omaha, frt. alld.	gal.	.26	- —
tanks, W. Coast, f.o.b. Minnequa, Colo.	gal.	.26	- —
10°, dms., returnable, works,	gal.	.34	- —
tanks, E. of Omaha, frt. alld.	gal.	.29	- —
5°, dms., returnable, works,	gal.	.41	- —
tanks, E. of Omaha, frt. alld.	gal.	.39	- —
3°, dms., returnable, works.	gal.	.48	- —
tanks, E. of Omaha, frt. alld.	gal.	.46	- —
Xylidin, mixed, dms.	lb.	.35	- .36

Y

Yara yara, cryst., cns.	lb.	1.25	- 1.55
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York	lb.	.55	- —
bottles, same basis	lb.	.60	- .64
imp., bbls., same basis	lb.	.55	- —
Cadmium, CP, import., bxs.	lb.	1.35	- 1.40
lithopone, all shades, bbls., 1 ton, works., frt. alld.	lb.	.50	- —
smaller lots, same basis	lb.	.55	- —
kgs., ton lots, same basis,	lb.	.55	- —
smaller lots, same basis,	lb.	.60	- —
Sulphide, orange, bbls., works,	lb.	.75	- —
Chrome, CP., bbls., dlvd., N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul contracts.	lb.	.13½	- —
open order	lb.	.14½	- —

Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.	lb.	.09	- .11
Hansa, bbls., same basis, chrome.	lb.	1.37	- —
primrose shade, bbls., same basis, chrome.	lb.	1.75	- —

Mercury oxide (see M).

Ocher, Amer., golden A, bbls., works.	lb.	.06½	- —
B, bbls., works	lb.	.04½	- —
C, bbls., works	lb.	.06¾	- —
yellow A, bbls., works.	lb.	.02½	- —
B, bbls., works	lb.	.02½	- —
C, bbls., works	lb.	.02	- —
D, bbls., works	lb.	.0195	- —
E, bbls., works	lb.	.01775	- —
F, bbls., works	lb.	.01½	- —
G, bbls., works	lb.	.01½	- —
H, bbls., works	lb.	.01¾	- —
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans for import.	lb.	.02475	Nom.
New York (f.o.b.)	lb.	.02¾	Nom.
Philadelphia for import.	lb.	.02¾	Nom.
ex dock San Pedro, San Francisco.	lb.	.0299	Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans.	lb.	.02575	Nom.
New York	lb.	.02¾	Nom.
Phila., for import	lb.	.02¾	Nom.
Portland, Seattle	lb.	.03½	Nom.
San Pedro, S. Francisco.	lb.	.03	Nom.
Yellow, ocher, French, ex whse., Balto., Boston, N. Orleans,	lb.	.02725	Nom.
ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis.	lb.	.03¾	Nom.
New York	lb.	.03	Nom.
Pittsburgh	lb.	.03¼	Nom.
Portland, Seattle	lb.	.03¾	Nom.
San Pedro, S. Francisco.	lb.	.03¼	Nom.
f.o.b. N.Y., from dock.	lb.	.02¾	Nom.
from whse.	lb.	.03½	Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N. Y.	lb.	.04½	- —
l.c.l., same basis	lb.	.04¾	- —
synth., bbls., c.l., works	lb.	.06½	- —
l.c.l., same basis	lb.	.06¾	- —
Persian orange (see O).			
Zinc, bbls., same basis, chrome CP, contracts.	lb.	.16	- —
open order	lb.	.16	- —
Navy specification type, contracts.	lb.	.16	- —
open order	lb.	.16	- —
Yellow dock root, dom., bls.	lb.	.17	- .18
Yellow root (xanthoriza), bls.	lb.	.11	- .13
Yerba santa leaves, bls.	lb.	.09	- —
Yohimbine hydrochloride, vis.	oz.	3.00	- 3.50

Z

Zein, bgs., 1,000 lbs. or more, works.	lb.	.20	- —
less than 1,000 lbs., works.	lb.	.25	- —
Zinc acetate, tech., bbls., dlvd.,	lb.	.15	- .16
USP, bbls., 250 lbs.	lb.	.27	- —
kgs., 100 lbs.	lb.	.29	- —
Arsenite, bgs., c.l., dealers, E. of Rockies.	lb.	.12	- —
l.c.l., bgs.	lb.	.12½	- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.			
Carbonate, tech., bbls.	lb.	.14	- .16
USP, precip., powd., bbls.	lb.	.32½	- —
25 lb. dms.	lb.	.37½	- —
kgs.	lb.	.34½	- —
Chloride, tech., fused, dms., c.l., works.	100 lbs.	4.25	- —
l.c.l., works	100 lbs.	4.60	- —
gran., dms., c.l., works,	100 lbs.	5.00	- —
USP, 200-lb. dms.	lb.	.26	- —
25-lb. jars	lb.	.31	- —
solution, 50%, dms., c.l., works.	lb.	.0290	- —
l.c.l., works	lb.	.04	- .04½
tanks, works	lb.	.0225	- —
Cyanide, kgs., works	lb.	.33	- —
Dust, bbls., c.l., dlvd.	lb.	.09¼	- —
l.c.l., bbls., dlvd.	lb.	.09¾	- —
Iodide, N. F., bots.	lb.	4.35	- —
jars	lb.	4.20	- —
Fluoride, bbls.	lb.	.20	- .25
Meta (see daily quotations in Market report).			
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., dlvd.	lb.	.06½	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- —
ex whse., Pac. cst.	lb.	.06¾	- —
bbls., c.l., dlvd.	lb.	.06¾	- —
l.c.l., dlvd., except Pac. cst.	lb.	.07	- —
ex whse., Pac. cst.	lb.	.07	- —
leaded, 5%, bgs., c.l., dlvd.	lb.	.06¾	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- —
ex whse., Pac. cst.	lb.	.06¾	- —
bbls., c.l., dlvd.	lb.	.06¾	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- —
ex whse., Pac. cst.	lb.	.06¾	- —
35%, bgs., c.l., dlvd.	lb.	.06	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¼	- —
ex whse., Pac. cst.	lb.	.06¼	- —
bbls., c.l., dlvd.	lb.	.06¼	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06½	- —
ex whse., Pac. cst.	lb.	.06½	- —
50%, bgs., c.l., dlvd., except Pac. cst.	lb.	.06	- —
Pac. cst.	lb.	.0606	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¼	- —
ex whse., Pac. cst.	lb.	.06½	- —
bbls., c.l., dlvd, except Pac. Cst.	lb.	.06½	- —
ex whse., Pac. cst.	lb.	.06½	- —
French process, com'l, lead free, bgs., c.l., dlvd.	lb.	.06½	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- —
ex whse., Pac. cst.	lb.	.06¾	- —
bbls., c.l., dlvd.	lb.	.06¾	- —
l.c.l., dlvd., except Pac. cst.	lb.	.07	- —
ex whse., Pac. cst.	lb.	.07	- —
green seal, bgs., c.l., dlvd.,	lb.	.05¼	- —
l.c.l., dlvd., except Pac. cst.	lb.	.05¾	- —
ex whse., Pac. cst.	lb.	.06¼	- —
bbls., c.l., dlvd.	lb.	.05¾	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¼	- —
ex whse., Pac. cst.	lb.	.06¼	- —
red seal, bgs., c.l., dlvd.	lb.	.07¾	- —
l.c.l., dlvd., except Pac. cst.	lb.	.08	- —
ex whse., Pac. cst.	lb.	.08	- —
French seal, bbls., c.l., dlvd.	lb.	.08	- —
l.c.l., dlvd., except Pac. cst.	lb.	.08¼	- —
ex whse., Pac. cst.	lb.	.08¼	- —
white seal, bgs., c.l., dlvd.	lb.	.08¾	- —
l.c.l., dlvd., except Pac. cst.	lb.	.09	- —
ex whse., Pac. cst.	lb.	.09	- —
bbls., c.l., dlvd.	lb.	.09	- —
l.c.l., dlvd., except Pac. cst.	lb.	.09¼	- —
ex whse., Pac. cst.	lb.	.09¼	- —
Zinc, oxide, pigment, imported, gold seal, cks., ex whse.	lb.	No prices	
green seal, bbls., ex whse.	lb.	No prices	
white, seal, cks., ex whse.	lb.	No prices	
USP, bbls., c.l.	lb.	.09¾	- —
Palmitate, bbls.	lb.	.24½	- .27½
Resinate, fused, pale, bbls.	lb.	.10	- —
precip., dms., dlvd.	lb.	.15	- —
Stearate, tech., precip., bbls., ctns., c.l.	lb.	.22	- —
l.c.l., 1 ton	lb.	.23	- —
1,000-2,000 lbs.	lb.	.24	- —
less than 1,000 lbs.	lb.	.25	- —
USP, bbls.	lb.	.23	- .26
Sulphate, cryst., bgs., c.l.	100 lbs.	3.00	- —
l.c.l.	100 lbs.	3.75	- —
bbls., c.l.	100 lbs.	3.15	- —
l.c.l.	100 lbs.	3.90	- —
flake, bgs., c.l.	100 lbs.	3.35	- —
l.c.l.	100 lbs.	4.10	- —
bbls., c.l.	100 lbs.	3.50	- —
l.c.l.	100 lbs.	4.25	- —
powd., bgs., c.l.	100 lbs.	4.70	- —
l.c.l.	100 lbs.	5.45	- —
bbls., c.l.	100 lbs.	4.85	- —
l.c.l.	100 lbs.	5.60	- —
Sulphide, bgs., c.l. (20 tons), dlvd.	lb.	.07¾	- —
l.c.l., dlvd., E. or ex whse., Pac. cst.	lb.	.08	- —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd.	lb.	.08	- —
l.c.l., dlvd., E. or ex whse., Pac. cst.	lb.	.08¼	- —
barium, pigment, bgs., c.l., dlvd.	lb.	.05¼	- —
l.c.l., dlvd., E. or ex whse., Pac. cst.	lb.	.05½	- —
calcium pigments, bgs., c.l., dlvd.	lb.	.05¼	- —
l.c.l., dlvd., E. or ex whse., Pac. cst.	lb.	.05½	- —
magnesium, pigment, bgs., c.l., dlvd.	lb.	.05½	- —
l.c.l., dlvd., E. or ex whse., Pac. cst.	lb.	.05¾	- —

Manufactures Census Returns Are Released

Preliminary figures compiled from returns of the Census of Manufactures for 1939 have just been released by the Bureau of Census, Department of Commerce, Washington. Because they account for a negligible portion of the national output, plants with an annual production valued at less than $5,000 have been excluded since 1919. The figures, as compared with 1937, the last previous year in which the census was taken, follow:—

Tanstuffs, Dyestuffs

	1939.	1937.
Establishments	158	158
Salaried personnel[1]	800	885
Salaries[1,2]	$2,739,758	$2,416,015
Wage earners[2]	2,716	2,812
Wages[2,3]	$3,002,734	$2,999,868
Cost of materials[2]	$23,860,279	$22,603,478
Value of products[2]	$42,164,716	$35,684,573
Value added by makers[4]	$18,304,437	$13,081,095

Vitreous Products

	1939.	1937.
Establishments	55	48
Salaried personnel[1]	1,237	1,029
Salaries[1,2]	$2,989,049	$2,288,100
Wage earners[2]	10,809	11,326
Wages[2,3]	$11,441,682	$11,361,736
Cost of materials[2]	$20,348,180	$19,293,265
Value of products[2]	$44,239,055	$41,115,222
Value added by makers[4]	$23,890,875	$21,821,957

Wallboard and Plaster

	1939.	1937.
Establishments	124	82
Salaried personnel[1]	974	774
Salaries[1,2]	$2,024,508	$1,394,407
Wage earner[2]	6,227	4,682
Wages[2,3]	$6,288,111	$4,856,859
Cost of materials[2]	$14,804,368	$12,522,918
Value of products[2]	$35,753,840	$33,590,310
Value added by makers[4]	$20,949,472	$21,067,392

Writing Inks

	1939.	1937.
Establishments	15	17
Salaried personnel[1]	86	99
Salaries[1,2]	$247,538	$219,884
Wage earners[2]	254	366
Wages[2,3]	$247,116	$370,319
Cost of materials[2]	$1,202,047	$1,499,956
Value of products[2,5]	$2,951,259	$3,475,600
Value added by makers[4]	$1,749,212	$1,975,644

Glue and Gelatin

	1939.	1937.
Establishments	80	75
Salaried personnel[1]	595	612
Salaries[1,2]	$1,807,407	$1,827,177
Wage earners[2]	3,039	3,547
Wages[2,3]	$3,941,588	$4,565,134
Cost of materials[2]	$18,793,755	$23,390,959
Value of products[2]	$34,331,639	$40,049,994
Value added by makers[4]	$15,537,884	$17,258,975

Ground Minerals, Earths

	1939.	1937.
Establishments	237	157
Salaried personnel[1]	851	692
Salaries[1,2]	$2,082,160	$1,713,822
Wage earners[2]	5,858	4,589
Wages[2,3]	$5,749,781	$4,897,581
Cost of materials[2]	$14,659,619	$11,612,565
Value of products[2]	$38,903,146	$27,160,982
Value added by makers[4]	$24,243,527	$15,548,417

Gypsum Products

	1939.	1937.
Establishments	68	79
Salaried personnel[1]	692	652
Salaries[1,2]	$1,466,119	$1,425,337
Wage earners[2]	4,936	5,207
Wages[2,3]	$6,665,759	$6,590,983
Cost of materials[2]	$16,694,454	$16,661,193
Value of products[2]	$46,241,980	$42,616,511
Value added by makers[4]	$29,547,526	$25,935,318

Insecticides

	1939.	1937.
Establishments	774	616
Salaried personnel[1]	2,103	2,650
Salaries[1,2]	$6,088,709	$6,225,904
Wage earners[2]	5,017	4,760
Wages[2,3]	$5,398,213	$5,224,893
Cost of materials[2]	$44,375,652	$38,780,208
Value of products[2]	$93,443,777	$79,830,861
Value added by makers[4]	$49,068,125	$40,830,658

Lime

	1939.	1937.
Establishments	209	203
Salaried personnel[1]	938	775
Salaries[1,2]	$2,046,625	$1,563,100
Wage earners[2]	9,458	9,751
Wages[2,3]	$9,063,627	$9,610,606
Cost of materials[2]	$13,705,840	$13,286,679
Value of products[2]	$36,971,171	$35,021,960
Value added by makers[4]	$23,265,331	$21,735,281

Mirrors

	1939.	1937.
Establishments	557	534
Salaried personnel[1]	1,402	1,790
Salaries[1,2]	$3,314,625	$3,904,704
Wage earners[2]	10,012	12,652
Wages[2,3]	$10,615,452	$13,980,561
Cost of materials[2]	$26,454,765	$40,744,043
Value of products[2]	$49,886,406	$88,009,124
Value added by makers[4]	$23,431,641	$47,265,079

Marine Oils

	1939.	1937.
Establishments	76	59
Salaried personnel[1]	230	177
Salaries[1,2]	$749,904	$468,924
Wage earners[2]	1,523	1,211
Wages[2,3]	$1,307,984	$979,075
Cost of materials[2]	$8,907,314	$7,664,695
Value of products[2]	$13,622,812	$11,593,312
Value added by makers[4]	$4,714,908	$3,928,617

Metals Refining, Nonferrous

	1939.	1937.
Establishments	63	66
Salaried personnel[1]	3,717	4,212
Salaries[1,2]	$9,056,365	$9,727,340
Wage earners[2]	27,630	32,798
Wages[2,3]	$38,411,986	$47,342,227
Cost of materials[2]	$819,158,390	$980,545,690
Value of products[2]	$956,572,486	$1,140,216,270
Value added by makers[4]	$137,414,096	$159,670,580

Mucilage

	1939.	1937.
Establishments	64	61
Salaried personnel[1]	162	184
Salaries[1,2]	$398,298	$421,850
Wage earners[2]	285	295
Wages[2,3]	$289,857	$313,416
Cost of materials[2]	$2,141,224	$2,165,002
Value of products[2,5]	$4,168,855	$4,209,629
Value added by makers[4]	$2,027,634	$2,044,627

Natural Graphite

	1939.	1937.
Establishments	6	6
Salaried personnel[1]	18	24
Salaries[1,2]	$70,173	$78,791
Wage earners[2]	55	56
Wages[2,3]	$65,530	$73,917
Cost of materials[2]	$851,898	$728,573
Value of products[2]	$1,251,206	$1,077,529
Value added by makers[4]	$399,313	$348,956

Plastic Products

	1939.	1937.
Establishments	216	129
Salaried personnel[1]	2,081	1,812
Salaries[1,2]	$4,936,317	$4,205,542
Wage earners[2]	15,094	14,184
Wages[2,3]	$17,688,104	$16,955,194
Cost of materials[2]	$51,747,085	$26,639,637
Value of products[2]	$71,904,067	$62,139,479
Value added by makers[4]	$40,156,982	$35,499,842

Polishing Preparations

	1939.	1937.
Establishments	637	510
Salaried personnel[1]	1,981	2,168
Salaries[1,2]	$5,390,114	$5,293,819
Wage earners[2]	5,128	4,877
Wages[2,3]	$5,676,266	$5,422,367
Cost of materials[2]	$37,670,007	$31,632,123
Value of products[2]	$89,766,752	$77,053,973
Value added by makers[4]	$52,096,745	$45,421,850

Printing Ink

	1939.	1937.
Establishments	206	184
Salaried personnel[1]	1,085	1,134
Salaries[1,2]	$3,493,147	$3,185,430
Wage earners[2]	2,572	2,703
Wages[2,3]	$3,701,813	$4,094,896
Cost of materials[2]	$25,166,041	$25,105,590
Value of products[2]	$49,131,575	$47,946,545
Value added by makers[4]	$23,965,534	$22,243,015

Pulp Mills

	1939.	1937.
Establishments[7]	194	194
Salaried personnel[1]	2,379	2,153
Salaries[1,2]	$5,879,311	$5,150,655
Wage earners[2]	26,870	26,904
Wages[2,3]	$35,145,835	$33,570,346
Cost of materials[2]	$144,736,646	$133,651,946
Value of products[2]	$226,851,822	$247,191,957
Value added by makers[4]	$82,115,176	$93,540,011

—Continued on page 61

Zinc, sulphocarbonate, NF, bbls., dms.	lb.	.24	- .29
Zinc-ammonia chloride, dms., c.l., works.	100 lbs.	5.15	- —
l.c.l., works	100 lbs.	5.50	- —
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.05¼	- —
l.c.l., dlvd., except Pac. cst.	lb.	.05¾	- —
ex whse., Pac. cst.	lb.	.05¾	- —
Zirconium nitrate, kgs., works.	lb.	3.00	- 4.00
Oxide, crude, 70-75%, gr., bbls., works.	ton	75.00	-100.00
white, 98%, grd., kgs., works,	lb.	1.80	- 2.00

Synthetic Resins

and other

Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the January 6 issue; the next printing will be in the February 3 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 39.

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Saving for Defense

If it is desirable and necessary—and it is—that business turn its usefulness more to guns and less to gadgets, it is equally imperative that government turn to the buying of bombs the money it has been spending in boondogling and other beggaring benefactions. It should, therefore, be the first and biggest aim of every taxpayer to impress upon Congress the common decency of subordinating pensioners to preparedness when national hazards make parasites a double evil.

Every taxpayer will have to pay more and more and more as the defensive preparations for home and other needs are progressively carried on. He should demand in return that none of his contribution be spent in paying for crops that farmers are too ignorant or too lazy to sell; in paying ablebodied men to sweep highways when defense production necessitates overtime for others; in adding more thousands to the office help that already clutters up all administrative bureaus. In short, every taxpayer should demand of Congress that appropriations for ordinary, largely useless and wholly unnecessary governmental activities be substantially reduced—not increased as the submitted budget contemplates.

Congress must be impressed with the wisdom of approaching the inevitable tax-boosting in a sensible manner, paralleling income and outgo item by item before approving anything and cutting out every cent of cost that is not clearly productive of good in respect of national defense or of the necessary functioning of government. Plans are in shape for the creation of a double-duty congressional committee for such consideration of the task of national financing, with the purpose of helping the revenue-raising and the appropriating committees to operate on common ground. This has long been necessary in view of the repeated unsatisfactorness of having two committees lay out the national income scheme and another two determine the spending.

Those who must pay the taxes should demand the right to say how they shall be spent. And their slogan should be:—"Billions for defense, but at least a billion less for bureaus and benefits."

It Should Be Compulsory

It is soul-stirring to call upon businessmen or upon all citizens, including the few who exist without reliance on business, to rally to the maintenance of the old American spirit, to the preservation of the republic, to the demanding of Congress of the truly representative service which should be rendered by those who are hired—usually on some other unknown person's recommendation—for the important job of making the laws of the nation.

Yes; it is soul-stirring! But, it is soul-chilling to think how few, maybe one out of ten thousand, has any inclination to exercise the rights about which he hears so much—and misunderstands still more. And of those few, how many less have any time for such public duties!

Still more depressing is it to dwell upon the few thousands who, having time and inclination, have also the ability to impress their congressmen with logic, rather than with talk about the state of the vote in the home district. There is sadness too in realizing how very few—in office or out—know what anything's about in the purposes of government, to say nothing of its processes.

So, there should be joy throughout the land and universal communications of support, approval, and demand to Congress for the enactment of H.R. 631—"A Bill to establish a National University of Government, provide a Board of Supervisors therefor, and make an appropriation for its establishment and maintenance."

The proposed National University of Government is to be a public, coeducational, nonpartisan, nonsectarian institution devoted to the following job:—

> The purpose and function of said university shall be to acquire and present such knowledge and information to the sovereign people and their public servants as may be needed to organize and conduct public affairs so all the people residing within the jurisdiction of this nation may enjoy the utmost advantages of life, and to this end to train persons of both sexes for the successful conduct and management of public undertakings in each division, national, State, county, district, city, Territory, and international, including executive, legislative, judicial, administrative, the civil service, diplomatic and consular service, statesmanship, party management, the practice of law, and such military training as ordinarily presented at State universities for the Reserve Officers' Training Corps, and to train teachers for the presentation of all such subjects thereat and at other educational institutions, to the end that every person residing within the jurisdiction of the United States of America may have an equal and best possible chance in life.
>
> Said institution shall carry on research, employ experts and lecturers, publish literature, texts, radio addresses, motion pictures, recordings, and do everything possible to discover and point out to the sovereign people of America directly and through its teachers and students the best possible ways of life. It shall endeavor to stimulate and arouse patriotism and the desire to promote human welfare universally, that peace on earth, good-will among men, may prevail, and all may enjoy the more abundant life. Said institution shall try to build character, loyalty, honesty, efficiency, and service in all who may become engaged in public service and consequently imposed with a public trust. It shall strive to inculcate the ideals of democracy among all the people residing within the jurisdiction of this nation.

Despite the second paragraph's idealistic and vaguely ideologic purposes, it is hereby moved, seconded and carried that H.R. 631 be amended to make full attendance at the proposed university universally compulsory, and to make graduation *summa cum laude* prerequisite to the holding of any public office.

Give—Not Get

Much discussion there is these days of the business viewpoint with respect to the government's program of national defense and the purpose of the President and some of his executive associates to extend this considerably in the international scheme of things. None of this discussion is representative of business as a whole. It cannot be. Unfortunately the published comment is all too largely indicative of, not only lack of, but also opposition to the quantity and quality of government-business relations necessary in existing and expectable conditions.

Months have gone by since the necessity for an active program of preparation for national defense was first set forth by President Roosevelt. In the discussion of this proposal, of the progress thereunder, and the processes thereof, there is still no definite idea whether business will volunteer in adequate degree or must be drafted for the service of defense. There is still wide expression of grievous concern that the government will build, equip, and operate plants to meet emergency needs of certain materials—and will try to make normal productive use of these plants when the emergency has been ended.

Most of the published references to these doubts and fears are wholly free from any statement of what business is doing to make the undesirable conditions unnecessary. Business must do most, and sometimes all, of what is necessary to fulfill the defense program and the aid program, or government will do it.

In most of the many instances of the government's building and equipping of emergency plants the present privileges and the future peace of private enterprise are fairly well safeguarded—if the involved government-business relations turn out satisfactory. The government retains title to the buildings and the equipment, but these will be available to private concerns as real bargains after the emergency—again if the attendant relations are what they should be.

Business must give to defense work more than it expects to get out of it. Patriotism must stand somewhat above profit. It may be beyond the altruism of the age, but it is not above what should be expected of human beings, to point for business as a whole the example of that chemical manufacturer which has leased to the government without charge a site for a gas-defensive chemical plant; will erect the plant at actual cost to the government; and will operate the plant without a penny of profit.

—O-P-D—

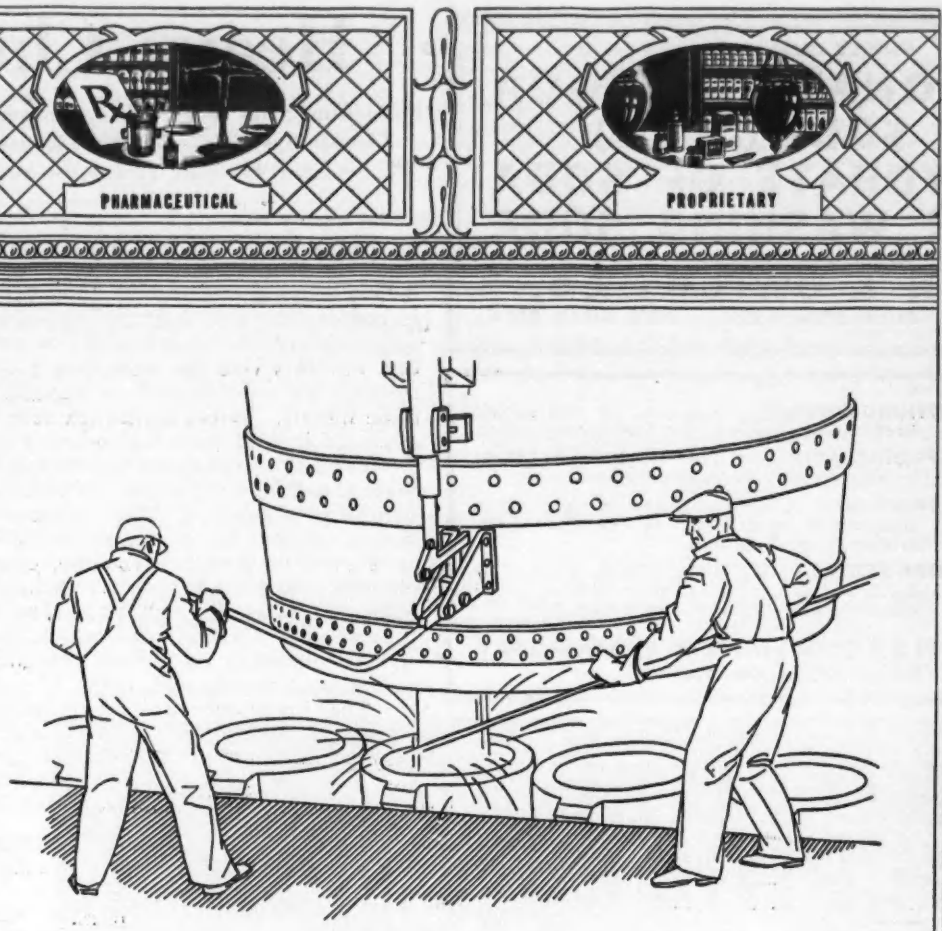
Credit Where Due

The manufacturer referred to in the preceding article is the Monsanto Chemical Company. Its executive vice-president has stated a high-purpose slogan for business as a whole:—

> We do not wish to profit even to the slightest degree for our work in behalf of preparedness.

The president of the Monsanto Chemical Company campaigned most vigorously for Mr. Willkie in the recent presidential election. He served without pay in the cause in which he believed. He sets now his company to similar service in that immeasurably greater cause—the national defense.

There is patriotism in the Monsanto company's stand. There is also good business sense in the foreseeing of the multiple repayment in taxes of all the profit made from national defense service.



A Tribute to The Steel Industry

It seems incredible that the great modern steel industry really began less than a century ago — with the invention of the Bessemer process in 1855. So phenomenal was its growth that before the turn of the century the manufacture of steel had become a leading American industry and its product the backbone of numerous other great industries including the growing automotive industry. Steel's continued progress in this century has been marked by almost innumerable improvements and developments — most notably, the development of modern alloys, in which modern chemical progress has played a leading role. Chas. Pfizer & Co. takes natural pride in the continuing and ever-broadening service to this great basic American industry.

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Heavy Chemicals

Potassium Salts and Nickel Compounds Placed Under Export License System — Blanket Licenses Authorized for Canada —Lead Arsenate Reduced—Soda Antimoniate Easier

A steady flow of orders made their appearance in the market for heavy chemicals last week. Shipments moved against contracts in good volume. Defense orders were the motivating factor. Buying was orderly, however, as withdrawals were made in conformity with contract commitments. In certain instances sellers informed consumers to place orders ahead to insure delivery, but this was the exception rather than the rule. Further restrictions were placed on exports including potash salts and basic metals. Prices continued stabilized, and the only changes occurred in lead arsenate and soda antimoniate.

The list of chemicals and metals subject to export license by State Department division of Controls was broadened by a Presidential proclamation. The commodities placed under the export license system by executive order included various potassium salts such as potash carbonate, caustic, chlorate, cyanide, perchlorate and permanganate. Various grades of copper will come under the ban, although, as yet, no word was heard concerning copper salts. Nickel compounds, containing 10 percent nickel, will be placed in the license category including nickel sulphate, carbonate, chloride and oxide.

The President authorized issuance of general licenses for export control to ease the red tape involved in securing necessary permits. A blanket license for some types of goods coming under the ban will be made. This will be applied first to Canada. Later it may be extended to Great Britain and possibly other countries. The system was expected to facilitate the handling of applications, reduce the time involved and assist exports by making it unnecessary to obtain specific licenses for materials on the export control list.

Alums.—Price movements absent, with tone firm. Buying moderately active. November exports 169,403 pounds, valued at $12,603.

Alumina Hydrate.—Demand routine. Quotations unchanged.

Alumina Sulphate.—Steady inquiry against contracts. Prices rule the same. November exports 5,863,658 pounds, valued at $63,297.

Ammonia, Anhydrous. — Seasonal conditions predominate. Prices rule firm. November exports 1,404,544 pounds, valued at $71,846.

Ammonia, Aqua.—Shipments steady. Market position strong.

Ammonia Bicarbonate. — Commitments routine against contracts. Prices unchanged and firm.

Ammonia Bifluoride.—Trading moderate to regular channels. Prices lack alteration.

Ammonia Nitrate.—Inquiries and shipments continued steady. Prices firm.

Ammonia Persulphate.—Small lots made up the call, while prices were maintained at firm levels.

Ammonia Silicofluoride.—Moderate inquiry, with stocks limited. Prices nominal.

Ammonia Sulphide. — Consumers made satisfactory replacements to keep market in favorable position.

Ammoniac, Sal.—Buying held up well in most directions. Prices remained firm.

Antimony Metal.—Little feature to the trading. Domestic spot price unchanged.

Antimony Oxide.—Transactions routine. Prices failed to change.

Antimony Needle.—Prices of Chinese nominal, with stocks limited. No change in Bolivian material.

Arsenic.—Call for the white moderate, and prices held firm.

Barium Carbonate.—Steady to firm price tone, with shipments fairly steady.

Barium Chlorate.—Prices nominal, with little spot material available.

Barium Chloride. — Routine shipments against contracts. Prices without change.

Barium Dioxide.—Trading irregular. No change disclosed in the prices.

Barium Hydrate.—Demand spotty. No change occurred in the quotations.

Barium Nitrate.—Market firm. Business steady.

Bleaching Powder.—Shipments routine against contracts. Prices display firmness.

Calcium Acetate.—Business confined to usual channels for necessary requirements. Prices firm.

Calcium Carbide.—Trading moderate. Prices rule firm. November exports were 5,236,477 pounds, valued at $252,030.

Calcium Chloride. — Steady movement for ice control and other purposes. Prices remain firm. November exports 696,654 pounds, valued at $8,812.

Carbon Bisulphide. — Market position firm, and shipments well sustained. November exports 661,495 pounds, valued at $27,788.

Chlorine.—Demand active, and sellers sometimes pressed for deliveries. Prices firm. November exports 846,128 pounds, valued at $19,961.

Cobalt Oxide. — Selling continued limited to regular consuming channels. Prices firm.

Copper.—Producers allocating copper at 12c. a pound; custom smelters quote 12½c. through second quarter. Export market unchanged at 10¼c. to 12c., f.a.s. Metal subject to export license after February 3. Refined stocks at end of December totaled 142,772 tons, a decrease of 15,646 tons at

Price Changes

Advanced

None

Reduced

Lead arsenate, ½c. per lb.
Soda antimoniate, ½c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
158.2	158.8	157.6	152.7

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	101.6	99.0

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Pulp and Paper Ass'n, Feb. 17-21, New York.
Purchasing Agents Ass'n, May 26-29, Chicago.

end of November. Consumption for December at new all-time high with a total of 112,671 tons shipped to domestic consumers.

Copper Salts.—Price movements were lacking, but tone was firm. Shipments steady.

Copper Sulphate.—Shipments to commercial channels hold up well. Seasonal lull in agricultural and export business. Prices firm. November exports were 6,516,529 pounds, valued at $264,954.

Copperas.—Offerings limited. Market position firm and prices unchanged.

Feldspar.—Business moderately active. Prices rule the same.

Fluorspar.—Prices continued stabilized, and demand steady.

Glauber's Salt.—Market displayed firmness, while withdrawals were steady.

Lead Acetate.—Prices unchanged and firm, while dealings were routine.

Lime.—Good inquiry. Nothing new occurred in the quotations.

Magnesite.—Demand continues to exceed available supplies. Market position strong. Prices nominal.

Manganese Dioxide.—Shipments confined to regular contracts as a rule. Prices firm.

Molybdenum Metal Powder.—Inquiries and shipments remain steady. Prices without change.

Nickel Salts.—Shipments steady. Prices remain firm. Material will be subject to export license after February 3.

Phosphorus.—Domestic material available to regular consumers only. Scattered offerings of Japanese reported.

Potash Carbonate.—Withdrawals steady against contracts. Prices firm. Future exports subject to license under presidential proclamation.

Potash, Caustic.—Consumers made replacements steady to keep market in firm position. After February 3, export licenses will be necessary.

Potash Chlorate.—Good demand from domestic sources. Little available in outside market, some Japanese material on the market. Export license control will be effective February 3.

Potash Permanganate.—Steady movement. Prices unchanged and firm. Material will be placed on export license control list after February 3.

Salt.—Demand steady. Prices without change, and tone firm.

Saltcake.—Prices nominal. Inquiries and shipments satisfactory.

Saltpeter.—Transactions irregular. Pricewise a film tone prevails.

Soda Acetate.—Prices underwent no change, and commitments were fairly steady against contracts.

Soda Antimoniate.—Quotations ½c. lower, making car lots 14c and less car lots 14½c. per pound. Demand spotty.

Soda Ash.—Demand moderately active. Prices without change. November exports 11,222,954 pounds, valued at $142,776.

Soda Bicarbonate.—Market a routine affair. Quotations well sustained. November exports 2,764,230 pounds, valued at $56,547.

Soda Bisulphite.—Market firm. Demand continued steady.

Soda, Caustic.—Supplies adequate to meet all domestic and export demand. Shipments fairly steady. Prices unchanged. November exports 13,773,482 pounds, valued at $323,039.

Soda Chlorate.—Business confined to domestic channels. Prices rule firm.

Soda Cyanide.—Shipments continued active. Prices firm.

Soda Hydrosulphite.—Prices firm, and business held steady.

Soda Nitrite.—The call was satisfactory from most directions, and prices were the same.

Soda Phosphate.—Withdrawals moderately active. Prices failed to change. November exports 601,974 pounds, valued at $26,290.

Soda Silicate.—Shipments moved well against contracts to a number of consuming channels. Prices without change. November exports 1,271,145 pounds, valued at $26,412.

Soda Silicofluoride.—Demand exceeds available supplies, and offerings restricted. Prices nominal.

Soda Stannate.—Market held at previous price levels. Shipments fairly steady.

Soda Sulphide.—Business steady. Pricewise a firm tone predominated.

Sulphur, Refined.—Business irregular. Market displayed firmness.

Tin Salts.—No changes took place in the various tin derivatives. Straits metal was slightly firmer at 50.15c. per pound.

Zinc Chloride.—Market tone firm, while withdrawals were routine against contracts.

—*Continued on page* 30

U.S. Stoneware Buys Federal Clay Products Co.

The United States Stoneware Company, manufacturer of corrosion-proof chemical equipment, Akron, Ohio, has acquired the Federal Clay Product Company, Mineral City, Ohio, along with its extensive clay and coal deposits. The newly acquired company has been incorporated as the Federal Refractories Corporation, to continue production of its line of products, including fire-brick, refractories, and high-temperature cements.

The Federal plant will be expanded to handle the increasing business of the United States Stoneware Company's tower packing rings, spiral rings, acid-proof brick, lining tile, and kindred products. The Tallmadge, Ohio, plant production facilities will be realigned, with new equipment being installed.

Nickel Treated in *Priorities*

A search of years for something that was daily being discarded as a nuisance is told in a story about nickel in the January issue of *Priorities*, house organ of the Prior Chemical Corporation. The ultimate success of the quest is related and the story also outlines the unique qualities which nickel imparts to a large number of implements and products essential to present-day methods and mode of life.

Consulting Chemists Listed

The Association of Consulting Chemists and Chemical Engineers has released the sixth edition of its directory of association members. The volume lists member organizations by name alphabetically, and also according to qualifications, functions, and scope. Copies of the directory may be obtained gratis upon application to the office of the association, 50 East Forty-first street, New York, mentioning the REPORTER.

Royal Crown Bottling Company of Newark, Inc., has elected Mozart Monae-Lesser, vice-president of the United States Sharing Corporation, to its directorate.

U.S. Needs Metallurgists

The United States Civil Service Commission has announced that it will again receive applications for positions of metallurgist and metallurgical engineer, various grades, with salaries ranging from $5,600 to $3,200 a year. An insufficient number of eligibles for filling these positions resulted from the examination which closed in September, 1940. Difficulty is being encountered in filling positions in the Bureau of Mines in connection with the national defense program for the development of strategic metals. Qualified persons are urged to send their applications to the commission's Washington office at once, where they will be rated as received until December 31, 1941. Applicants will not be given a written test. They will be rated on their educational training and experience. Applicants must not have passed their sixtieth birthday on the date of receipt of application. The salaries for all grades are subject to a 3½ percent deduction toward a retirement annuity.

Continental Can Company, Inc., has leased large additional space at its offices in the Pershing Square building, this city.

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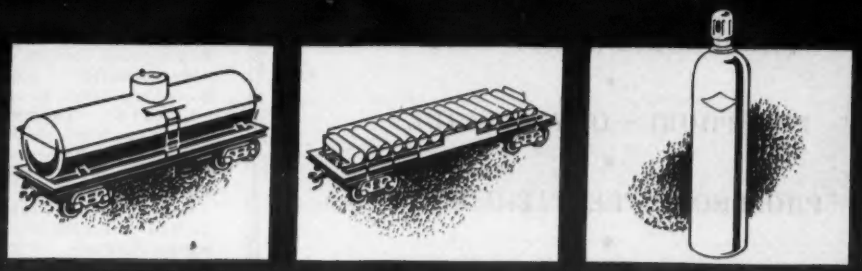

FOR LARGE USERS, Diamond Liquid Chlorine is shipped in specially designed tank cars of 16 ton or 30 ton capacity. The tanks are of lapwelded steel construction, insulated with four inches of corkboard, and protected by an outer steel jacket.

USERS OF LIQUID CHLORINE in moderate amounts find the Diamond Multi-unit car a money-saving method of buying. Each car carries 15 one-ton containers to the user's plant and takes empties back for refilling. Freight is paid on only the chlorine.

FOR THOSE WHO BUY in smaller quantities, Diamond Liquid Chlorine in 100 pound and 150 pound steel cylinders is instantly available at strategically located Diamond distributors' warehouses. Cylinders are kept freshly painted with aluminum paint.

REGARDLESS HOW YOU USE Liquid Chlorine, Diamond takes every precaution to insure complete satisfaction and safety. All cylinders and tank cars are thoroughly inspected and cleaned before each filling. Every valve is taken apart, inspected, valve seats are reground if necessary, the valve is repacked and tested to 700 lbs. pressure.

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Strategic Materials Stock-Pile Inventoried

—Continued from page 3

purchases, but no information has been given out regarding subsequent purchases. The annual report of the Treasury Department gives the following tabular summary of the stock-pile program:—

Status of the Strategic and Critical Materials Program, as of June 30, 1940

Material.	Source	Quantity ordered.	Amount obligated.	Quantity delivered.
Chrome ore	Turkey	20,000 L. T.		
	Alaska	25,000 L. T.		
	Rhodesia	19,500 L. T.		
Total		64,500 L. T.	$2,168,068.24	20,407 L. T.
Manganese ore	Cuba	27,500 L. T.		
	Philippines	31,500 L. T.		
	United States	7,500 L. T.		
	South Africa and and British India	20,000 L. T.		
Total		86,500 L. T.	2,889,000.00	46,350 L. T.
Manila fiber	Philippines	14,800 bales	245,921.20	10,200 bales
Optical glass	United States	11,400 pounds	*6,200.00	
Quartz crystals	Brazil	14,800 pounds	99,380.00	4,170 pounds
Quinine sulphate	Dutch East Indies	700,000 ounces	409,000.00	700,000 ounces
Tin (pig)	Bolivia (refined in United States)	100 S. T.		
	China	100 S. T.		
	Straits Settlements	5,924 S. T.		
Total		6,124 S. T.	6,081,328.00	3,630 S. T.
Tungsten ore	China	425 S. T.	500,444.56	448 S. T.
Total obligated for material			$12,400,142.00	
Administrative expenses			9,066.00	
Contingent expenses (advances and transfers to other agencies)			169,520.00	
Total amount obligated			$12,578,728.00	
Unobligated balance of allotment			421,272.00	
Total allotment			$13,000,000.00	

* In addition to $73,800 advanced to Bureau of Standards for manufacturing.

Heavy Chemicals

—Continued from page 29

Acids

Mineral acids were taken steady against contracts last week. Buying broadened somewhat in certain directions, and the market was in a firm position. Acetic shipments were steady, with some export inquiries prevalent. Chromic was taken well by the plating trade. Formic displayed a firm position, with bookings made well ahead. Muriatic was in steady demand, and exports were well sustained. Naphthenic prices were strictly nominal. Oxalic position underwent no change, sellers were continuing to confine business to regular channels. Sulphuric met with a steady demand against contracts.

Acetic. — Shipments moderate and steady. Prices without change. November exports, 389,160 pounds, valued at $30,556.

Battery. — Routine movement, with prices maintained at firm levels.

Chromic.—Good movement to plating trade. Prices displayed firmness.

Formic.—Bookings continued favorable, and market position firm.

Gallic. — Dealings conservative. Nothing new occurred in the prices.

Hydrofluoric. — Moderate inquiry. Quotations failed to change.

Lactic. — Takings irregular. No change disclosed in the prices.

Naphthenic. — Prices continued nominal. Sellers booked ahead on contract as a rule.

Oxalic.—Sellers adhere to policy of limited commitments to regular domestic channels. Prices rule firm.

Phosphoric.—Steady movement to usual sources, and prices were firm.

Sulphuric.—Shipments continued at a steady pace against contracts. Prices held at previous levels, with the general tone one of firmness.

Baltimore, Jan. 15.—Though in the common estimate of the sulphuric situation producers ought to be getting plenty of orders, members of the trade continue to represent business as quiet, with orders being renewed on the basis of last year's figures around $12 per ton for 60-degree, and $15 per ton for 66-degree acid. With many contracts booked at the 1940 range, the producers appear to have settled down to an acceptance of the belief that a rise is not to be looked for at any time in the near future. A similar state of affairs prevails with regard to oleum, which material is also unchanged, with the nominal figures around $17 per ton for 20 percent stocks.

Insecticides

A reduction in the prices for lead arsenate featured the market for agricultural insecticides and fungicides last week. Some of the leading sellers lowered quotations, however, others adhered to previous schedules. Quotations for other materials failed to change. Preliminary preparations were made for the coming season, and in the interim not much business passed. Some let up occurred in export inquiries from South and Central America, reflecting seasonal conditions.

Calcium Arsenate.—No change in prices, with business seasonally dull. November exports 1,256,516 pounds, valued at $50,122.

Lead Arsenate.—Some sellers lowered prices ½c. making car lots 9c. and less car lots 9½c. per pound. Others still adhere to former prices. November exports 421,082 pounds, valued at $32,002.

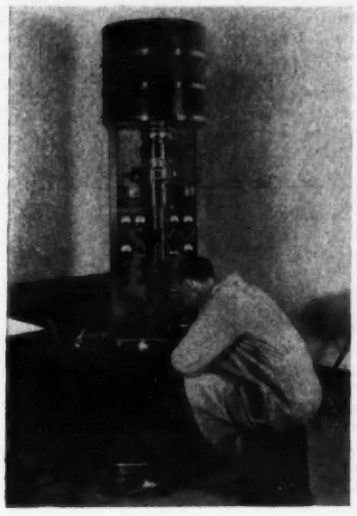
LIQUID CHLORINE
BORIC ACID : CARBON TETRACHLORIDE : BORAX : TITANIUM TETRACHLORIDE : SULPHUR CHLORIDE : SILICON TETRACHLORIDE
CREAM OF TARTAR : SULPHURIC ACID : CAUSTIC SODA
WHITING : TARTARIC ACID : LIQUID CHLORINE : SULPHUR
TEXTILE STRIPPER : CARBON BISULPHIDE
Stauffer CHEMICALS
STAUFFER CHEMICAL COMPANY 424 Ohio Bldg., Akron, Ohio; Carbide and Carbon Bldg., Chicago, Ill.
420 LEXINGTON AVE., NEW YORK 624 California St., San Francisco, Cal.

American Cyanamid Uses New Electron Microscope

—*Continued from page* 4

workers with the unit were pigments used in the paper industry, precipitated chalk and magnesium oxide. The microscope disclosed that infinitely fine particles of these materials possess the same crystalline structure in small as in large pieces. This conflicts with the theory widely held heretofore, that such pigments lose their crystalline character when precipitated as extraordinarily fine particles.

Photographs made directly in the electron microscope show the object magnified 20,000 to 30,000 times. However, details are so clearly pictured



in these photographs that they can be readily enlarged to give a total useful magnification of 100,000 times natural size. An object an inch long so magnified would appear to be more than one and one half miles in length. The limit of magnification of the best optical microscopes is about 1,000 times.

Photographs made in preliminary tests show what are presumed to be individual giant molecules, the shapes and sizes of colloidal particles, and intimate details of certain types of bacteria, which the weaker power of optical microscopes could not reveal. Individual giant molecules of polyvinyl chloride resin have been pictured with the aid of the electron microscope. Particles of colloidal carbon appear generally spherical in shape and of a diameter of about four ten-millionths of an inch. Photographs of *anthrax baccilli*, germs of pneumonia and typhoid bacteria show these to possess strangely intricate structures.

The new electron microscope will be the subject of discussion at the meeting of the Symposiarchs, to be held in the Chemists' Club, this city, January 22. At the meeting James Hillier, of the R. C. A. Manufacturing Company, will describe the unit and explain its operation; Stuart Mudd, of the University of Pennsylvania Medical School, will relate some of the findings in medicine and bacteriology uncovered through use of the new tool and their implications; and R. Bowling Barnes, of the Stamford laboratories of the American Cyanamid Company, will discuss results obtained in the solution of problems of the chemical industry through use of the electron microscope.

Monsanto to Operate U.S. Unit without Profit

—*Continued from page* 5

cals have no known commercial application and it is mutually desirable that ownership of the plant be vested in the government. Their manufacture will involve no danger to persons residing near the plant. Charles Belknap, executive vice-president of Monsanto Chemical Company, in making this announcement, stated:—

We do not wish to profit even to the slightest degree for our work in behalf of preparedness, and therefore we asked, and the government agreed, that we be permitted to build and operate this plant without either profit or loss to our stockholders.

Agreements have also been made with two other large chemical manufacturing firms for the erection and operation of similar plants.

Gasmask Chemicals Big Defense Item

—*Continued from page* 5

Carlisle Lumber Company, Seattle
Dewey & Almy Chemical Company, Cambridge, Mass.
National Carbon Company, New York.

None of the projects, the War Department says, involves injurious chemicals, the manufacture of which would constitute danger to persons residing in the vicinity of any of these factories. It was pointed out that modern gasmasks and other gas-defensive appliances involve the use of certain materials for which there is little or no commercial need but which are required in quantity to meet the national defense program. These projects were cleared by the National Defense Advisory Commission to the Council of National Defense.

Flaking Equipment Shown

Flakers manufactured for the cooling and flaking of chemicals by the Buffalo Foundry & Machine Company are pictured and described in a new bulletin issued by the company. The work shows numerous models of drum type "Buflovak" flakers now being extensively used to continuously convert various liquid or molten materials directly into a flaked or granular form.

The continuous process machinery is declared to lower production costs, save time, reduce working space, and eliminate the necessity of crushing the finished product. A copy of the new bulletin, No. 326, may be secured by addressing the Buffalo Foundry & Machine Company, 1635 Fillmore avenue, Buffalo, N. Y., on mention of the REPORTER.

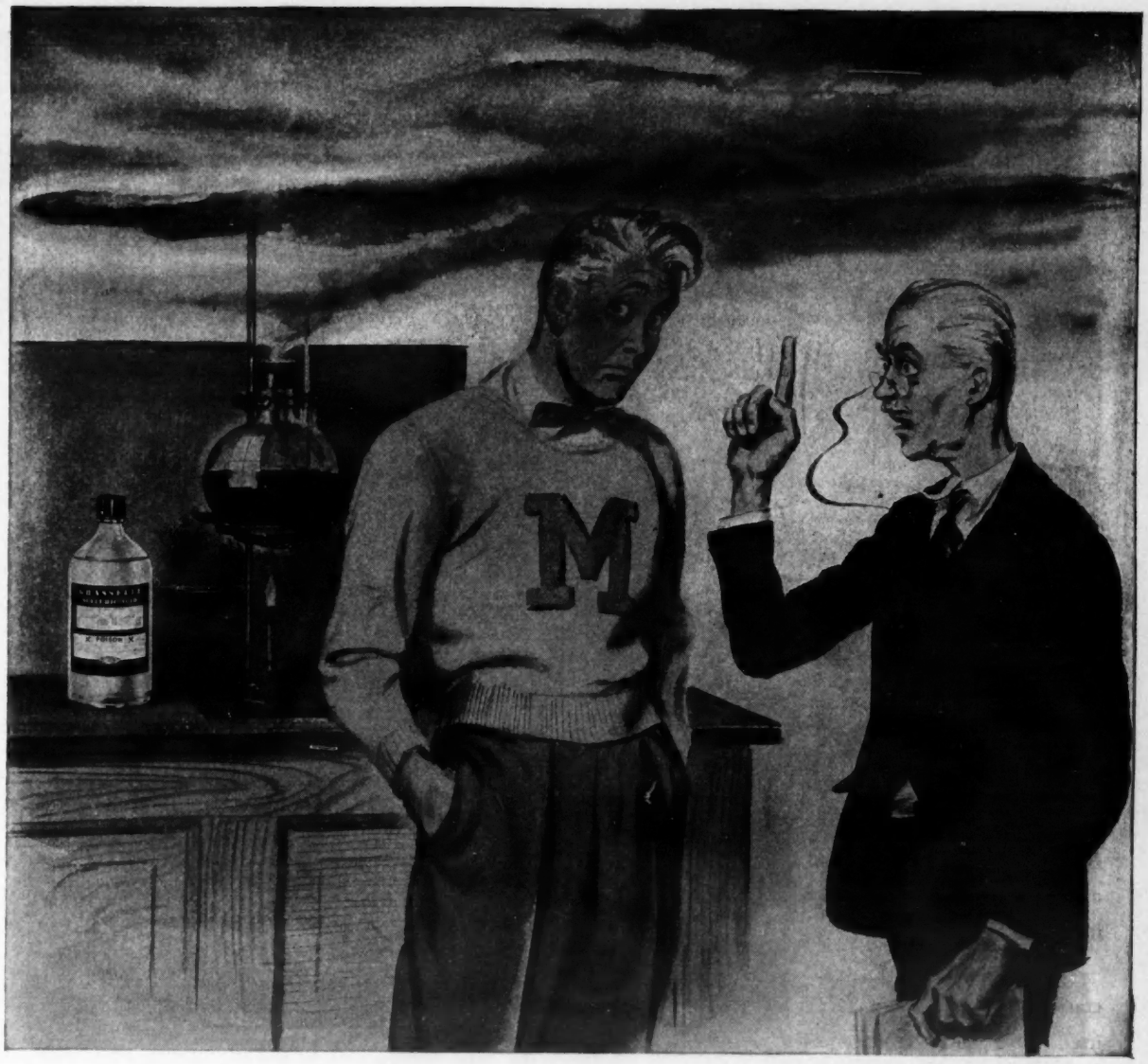
Dr. Dorr Receives Perkin Medal

—*Continued from page* 3

orary degree of doctor of Science in 1927 from the same institution. He invented the Dorr classifier, which has been called editorially "the piece of equipment that comes nearest to being in universal use in modern hydrometallurgy." Dr. Dorr organized the present world-wide concern, the Dorr Company, of which he is the active head.

In 1930 Dr. Dorr received the James Douglas Medal of the American Institute of Mining and Metallurgical Engineers. In 1938 he received the Chemical Industry Medal of the Society of Chemical Industry and in 1940 one of nineteen bronze plaques, National Awards of the National Association of Manufacturers.

Illinois-Indiana Petroleum Association will hold its ninth annual conference June 7 at Robinson, Ill.



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Effective Association Essential

—Continued from page 5

ture. He is frequently in a position to observe conditions and changes in industrial progress which are not always apparent to his operating members. This characteristic is not unusual or surprising, and indeed should be encouraged and insisted upon, because the operating members are concerned chiefly with the manufacture and distribution of commodities, while the executive officer of a trade association is primarily interested in watching, planning, observing, and guiding the cooperative efforts of his members into profitable economic channels.

The plans and ambitions of a trade association executive officer frequently are too progressive or forward-looking for acceptance by his group at some particular time. This situation is quite normal and should not result in criticism of the executive officer by the members. Likewise it should not deter the executive officer from continuing to watch and inform himself and his membership of what he believes is happening. A competent trade association executive officer must always attempt to keep his membership informed and advised about developments in industrial processes, methods of distribution, legislative trends, and legal enforcement policies, even though they do not appear to have any immediate application to or bearing on the interests of his industry members.

The type of practice and procedure described gives to trade associations and their members the ultimate in service and forcibly impresses on the minds of members the necessity for a type of industry vigilance which will produce in them mutual convictions that their continuous membership, their personal efforts for cooperation, and their financial support to their trade association and its activities are worth while and reciprocally advantageous.

The efficient trade association executive officer should fairly, and as accurately as possible, inform the governing body of his organization what the needs of the association are likely to be during each fiscal year. After a budget has been approved it should be the duty and obligation of the executive officer to operate and administer the affairs of the trade association in such a manner as to stay within the limits of the approved financial plan.

Financial Surplus Desirable

It is always expedient to make provision in the annual budget for a small and reasonable surplus. The existence of such a surplus should not result in any change in the rate of dues, however, if it should become unduly large over an extended period of time. The desirability or necessity for special projects is generally dictated by the desires of the membership or by conditions within the industry which can be financed with surplus funds that are not needed immediately for current and regular association activities. Under no circumstances, however, should the surplus be too greatly depleted. There is a definitely bad psychological reaction in continually changing the rate of dues or in making special assessments to meet unexpected financial burdens.

A well-operated trade association, like any efficiently organized business concern, should have an ever-present surplus upon which demands can be made in times of stress, and to which replacements and additions should be allocated when conditions of plenty are prevalent. The important role played by the surplus is one which is fundamental and should not be minimized. Trade association work, more than in any other type of endeavor, frequently becomes more important when business conditions are unstable and unpredictable. At such times, more often than not, there is an immediate loss of financial support from the various elements of an industry, for one reason or another. During such crises, the function of a surplus enables the trade association to bridge the gap of temporary reduction in financial support until such time as losses in revenue, due to decreases in membership dues, may be regained.

Unless trade association work is carried out upon a permanent, long-pull basis, only the most moderate results can be expected to be obtained and realized. A reasonable surplus will assure the permanence of a long-term policy and will remove the dangers of forced curtailment of activities when they may be needed most desperately. A trade association, which has a membership composed of operators who are convinced that their organization is a vital and essential force in maintaining a proper industry morale, will become a potent and legitimate source of industry accomplishment when the executive officer supports such enthusiasm of the membership by operating within the prescribed budget.

Governing Body

The board of directors or some appropriate committee of a trade association has the responsibility of governing the administration of the organization's affairs. The primary duty of this governing body should be that of understanding the functions which should be performed by the trade association and the nature of the job that each individual member should perform. Such an understanding on the part of each individual of the governing body can result only from a complete realization of what the trade association can do for its members and what the members, in turn, must do both within their respective organizations and in their public relationships through individual company efforts.

Members of the governing body should be conscious of the fact that the welfare of the entire industry must be taken into consideration, as well as the particular advantages sought by individual operating companies. The recognition and consideration of the rights of small manufacturers more frequently than not has been the fundamental reason for the existence of strong and effective trade associations that render invaluable and indispensable service to their industries. The converse is also important, however, because it is equally necessary that large manufacturers should be given tolerant consideration by small producers who may very well greatly outnumber their larger competitors in the matter of voting power.

The governing bodies of trade associations should become most conscious of their responsibilites for executing better and more effective public relations and related policies. The support of public confidence and consumer cooperation cannot be expected unless an industry willingly and sincerely initiates a policy of sufficiently informing the public so that it can intelligently be convinced that support is not only deserved but essential for the mutual benefit of both the industry and the public welfare. To achieve this public support, it is essential that the members of a trade association first of all inform their association executive headquarters of the necessary intimate information and data which must form the background for an effective public relations policy.

Probably the most important function of the members of the governing body of a trade association is the

—Continued on page 58

TANNING IN 1568

THE simple beam house operation shown here, which removes hair and epidermis from hides by "scraping with a knife on a beam" is still used in tanneries.

Unlike the "dehairing" operation, processes for tanning itself have advanced considerably in the last 50 years. Possibly the greatest single achievement was the invention of Chrome Tanning in 1884. This made possible a quicker and more economical tanning process. Of principal importance in the tanning of upper shoe leathers, Chrome tanning is a basic factor in the production of shoes of today. Mutual Bichromate of Soda has been used by leading tanners since the inception of Chrome Tanning.

MUTUAL

Mutual Chemical Co of America

270 MADISON AVENUE, NEW YORK

Dyestuffs, Textile and Leather Chemicals

Business Irregular — Zinc Dust Subject to Export License —General Export License May Be Applicable to Bichromates —Tanning Materials Affected by Shipping Difficulties

Business continued to follow an irregular trend in the market for dyestuffs, textile and leather chemicals last week. Some divisions reported recovery from the year end lull, while others were still lagging. Materials moving to the leather trade were well taken, while active interest was displayed by some textile lines. Prices failed to undergo any changes, and the general tone was steady to firm.

Zinc dust will be subject to the export license system after February 3 as the result of the Presidential proclamation placing zinc metal and other compounds on the list. While export restrictions covering bichromates have been lessened somewhat, further easing was expected to occur from executive order authorizing issuance of a general license for certain types of goods. This will relieve a considerable amount of delay in securing specific licenses. The program will be applied to Canada and perhaps to other countries such as Great Britain later.

New business in raw tanning materials slackened. Importers have material on order for future shipment, but delivery will necessarily have to await for adequate cargo space. It is believed that consumers have sufficient supplies on hand to tide them over.

A leading seller announced extension of bookings at prices prevailing November 29, 1940, to the end of this month on various corn derivatives. All orders, however, must be accompanied by specifications for delivery by January 31.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
154.0	154.0	153.8	147.1

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate. — Quotations unchanged and tone firm. Dealings moderate.

Alumina Chloride. — Inquiries and shipments steady. Market displayed firmness.

Ammonia Acetate.—Dealings routine. Quotations lacked change.

Ammonia Bichromate. — Small lots continued to make up the call. Prices without change.

Antimony Salts. — Market quiet. Nothing new occurred in the prices.

Chrome Acetate.—Not much feature to the trading. Prices rule firm.

Potash Bichromate. — Steady movement against contracts. Prices unchanged and firm.

Potash Prussiate. — Yellow in fair demand; not much red available. Prices firm.

Soda Bichromate. — Consumers made replacements steadily to keep market position favorable. Prices displayed firmness. November exports 1,095,749 pounds, valued at $84,253.

Soda Prussiate. — Shipments irregular. Pricewise a firm tone prevailed.

Sulphonated Oils.—No further price changes, with tone steady to firm. Transactions fairly steady.

Zinc Dust.—Prices firm and unchanged. Business moderately active. Effective February 3, material will be subject to export license.

Dyestuffs

Annatto. — Buying conservative. Prices underwent no change.

Cochineal.—Firm price tone, with trading routine.

Fustic.—Shipments and inquiries steady. Prices without change.

Hypernic.—Trading moderate. No change disclosed in the prices.

Indigo.—Inquiries light, and business lacked much feature. Prices the same.

Logwood. — Satisfactory movement in some directions, and tone firm. November extract exports 28,182 pounds, valued at $4,702.

Madder Dutch.—Business dull. Prices failed to change.

Turmeric.—Usual consumers made necessary replacements only. No change in the quotations.

Sizing Materials

Albumen, Blood.—Market position favorable, and business steady. Prices firm.

Albumen, Egg.—Prices unchanged and firm; limited offerings of imported. Demand steady. January 1 rate of lay in farm flocks reached an all time high of 26.6 eggs per 100 layers, compared with 26.3 eggs a year ago and the 10-year average of 10.3 eggs.

Corn Sugar. — Bookings extended until Jan. 1 by leading seller on price basis prevailing November 29, 1940. Business well sustained. Stocks of corn on farms January 1 were 1,820,218,000 bushels. These stocks about 30 percent larger than the 10-year average and fourth largest in fifteen years of record.

Dextrin, Corn.—One seller accepting business until January 31 on basis prevailing November 29, 1940. Shipments fairly steady.

Egg Yolk.—Firm price tone. Inquiries and shipments remain satisfactory.

Starch, Corn.—Prices prevailing November 29, 1940, extended to January 31 by one seller. Current bookings steady. Corn grind of eleven manufacturers of corn products for month of December 6,018,325 bushels, against 5,976,016 bushels in November, according to Corn Industries Research Foundation.

Starch, Potato.—Prices steady to firm. Moderate demand.

Starch, Rice.—Steady replacement demand. Prices rule unchanged.

Starch, Wheat.—Nothing new in the prices, with inquiries irregular.

Tapioca Flour.—Market firm. Business moved steadily.

Tanning Materials

Chestnut Bark. — Demand steady against contracts. Prices unchanged.

Cutch.—Market a routine affair. Prices firm.

Gambier.—Supplies limited, and inquiries light. Prices nominal.

Hematine.—Fair demand. Pricewise a firm tone prevailed.

Mangrove Bark.—Not much activity. Prices without change.

Myrobalans.—Prices held unchanged, and inquiries failed to broaden.

Oakbark. — Consumers made replacements steadily, and prices were firm.

Quebracho.—Tone of market firm. Consumers made commitments steady.

Wattle Bark.—No new developments, with demand quiet and prices the same.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Quebracho Leads Tanning Material Imports by U.S.

Quebracho is the most important tanning material the American leather industry purchases abroad, according to the Department of Commerce. The importance of quebracho, it is declared, is indicated by its position in world trade. Since 1924, shipments measured in tannin units have averaged 66.4 percent of the total volume of international movements in tanning materials.

Ranking second in importance as a tanning material is chestnut, which is almost entirely of domestic production. The plentiful domestic raw resources and the success attained by the use of the extract in European leather-making toward the close of the last century prompted the use of chestnut in the United States. It is rarely used alone, because it does not produce a firm or solid tannage by itself. In combination with other vegetable tannins it is suitable for the production of heavy leathers.

Mangrove bark and mangrove extract, or cutch, rank third in United States consumption of tanning materials. Their use in this country, however, is relatively small, it is stated, compared with the consumption of quebracho and chestnut. Imports during the past five years have averaged a little over 8,000,000 pounds of bark and 16,000,000 pounds of extract a year. Mangrove is used primarily for tanning sole and other heavy leathers; but as a leather tanned with mangrove alone is inclined to be brittle, some other materials are nearly always mixed with it.

The article also states that tannins of lesser importance are found in great variety in all parts of the world. Principal among these are gallnuts and myrobalans. United States annual imports of gallnuts have averaged 2,400,000 pounds since 1935, of which 90 percent were of the Chinese variety, with the residue coming from Mediterranean countries.

Myrobalans, the fruits of a tree indigenous to India and Burma, normally find their best market in Europe. However, during the past five years the United States has taken more than 30,000,000 pounds of the raw fruit each year and more than 1,000,000 pounds of the extract.

Other tannins of lesser importance are found in a great variety in all parts of the world, it is added. Among these are divi-divi, condurango, tara, cascalote, willow, canaigre, larch, birch, and palmetto. Few places are said to be without some tanning material resources, but modern leather production requires such a variety of materials that no country can be considered self-sufficient.

British Council Formed To Supervise Buying

—Continued from page 3

Relations between the supply department in London and the Department of Munitions and Supply in Canada are not altered.

The change regularizes what has been going on for some months. British purchases in the United States have been handled entirely by technicians, the British embassy in Washington maintaining only the most general control.

Certain-teed Buys Plank Business of Am. Cyanamid

The Certain-teed Products Corporation, this city, has bought the gypsteel gypsum plank business of the American Cyanamid and Chemical Corporation, also this city, the transfer to be effective in February or early March. Certain-teed is to take over the machinery and equipment now in use at Cyanamid's Linden, N. J., plant. The plant is not involved in the sale and will be used by Cyanamid for the manufacture of chemicals.

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
Natural BICHROMATES

DRY COLORS — DYESTUFFS
IMPORT EXPORT
FEZANDIE & SPERRLE, 205 Fulton Street, NEW YORK
Telephones: COrtlandt 7-1460-1461 Cable Address: "Fezan", N. Y.

Turner CHEMICALS
CARBONATE OF POTASH
CAUSTIC SODA
CAUSTIC POTASH
SALT
OF HIGHEST QUALITY
JOSEPH TURNER & COMPANY
RIDGEFIELD N. J.

Barrett

Phenol
Cresols
Cresylic Acids
Xylenols
Tar Acid Oils
Naphthalene
Industrial and Household
Phthalic Anhydride
Cumar*
(Para-coumarone—Para-indene Resin)
Rubber Compounding Materials
Coal-tar Bases
Pyridine, Quinoline, Picolines, etc.
Pickling Inhibitors
Benzol
Toluol
Xylol
Solvent Naphtha
Hi-Flash Solvent
Flotation Reagents
Anhydrous Ammonia
Hydrogenated Coal-tar Chemicals

Cyclohexane 98-100%
Methyl Cyclohexane 98-100%
Cyclohexanol 98-100%
Methyl Cyclohexanol 98-100%
Cyclohexanone 98-100%
Methyl Cyclohexanone 98-100%

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Barrett CHEMICALS

SEND FOR THIS BOOKLET

This new 36 page, pocket size booklet lists the many important Barrett Chemicals, and provides a finger-tip reference of concise descriptions and uses for each product. We will gladly send your copy on request. No obligation.

Coaltar Chemicals

Further Revisions Made in Hydrogenated Coaltar Solvents—Tar Acids Well Booked — Toluol Demand Remains Steady —Phenol Exports Increase While Benzol Shipments Lower

Movement of several products continued steady in the market for coaltar chemicals last week. Shipments moved in good volume against contracts to the plastic trade. Cresols, some grades of cresylic acid, phenol and phthalic anhydride were prominently mentioned as being well booked. The call for disinfectant purposes was not especially active. Some pickup was noted in the movement of coaltar colors. Demand for toluol was well sustained. Export inquiry continued satisfactory. Price changes revolved around revisions in hydrogenated coaltar solvents.

Quotations for cyclohexane, cyclohexanol, cyclohexanone, methyl cyclohexane, methylcyclohexanol and methylcyclohexanone were revised downward. Prices were now on a straight works basis as compared with freight allowed to destination east of Rocky Mountains for shipment via rail or West Coast via steamer. Since their introduction, the expanding uses and lower production costs have brought about economies which have been passed on to consumers.

Phenol exports for the first eleven months of 1940 from the United States totaled 4,046,968 pounds, valued at $554,285, an increase of 1,972,133 pounds over the corresponding period the previous year. The major destinations during the 11-month period of 1940 were; United Kingdom 2,566,844 pounds, Australia 276,930 pounds, Belgium 268,800 pounds, Finland 190,657 pounds and Brazil 149,505 pounds.

With the shipment of 37,274 gallons in November, exports of benzol from the United States during the first 11 months of 1940 decreased to 7,873,472 gallons, valued at $1,516,993 when compared with the corresponding period of 1939 when exports totaled 12,945,071 gallons, valued at $1,905,320. The principal countries of shipments included France, Italy, Japan, Canada and Switzerland.

Price Changes

Advanced

None

Reduced

Cyclohexane, 1c. per lb.
Cyclohexanol, 3c. per lb.
Cyclohexanone, 8c. per lb.
Methylhexane, 1c. per lb.
Methylhexanol, 3c. per lb.
Methylhexanone, 8c. per lb.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.6	126.6	126.6	127.3

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Shipments moderately active against contracts. Prices remain unchanged. November exports 37,274 gallons, valued $4,588.

Carbazole.—Dealings continued routine. Prices firm and unchanged.

Coaltar.—Steady movement against contracts. Prices rule firm. November exports 126,220 gallons, valued at $9,729.

Creosote Oil.—Replacement buying held at satisfactory levels to keep market in firm position. November exports 38,456 gallons, valued at $7,709.

Cresols.—Good movement to regular consuming channels. Prices well sustained.

Cresylic Acid.—Interest well maintained, and shipments were steady in several directions. Prices without change. Moderate quantities of imported available.

Naphthalene.—Dealings routine for crude; not much activity in the refined. Pricewise a firm tone prevailed.

Oil, Shingle Stain.—Demand followed normal seasonal trend. Prices lacked any change.

Phenol.—Shipments remained active in most directions. Prices displayed no change. November exports 95,816 pounds, valued at $16,200.

Pitch, Coaltar.—Transactions routine. Prices without change. November exports 372 tons, valued at $6,278.

Pyridin.—Sellers well booked ahead, and movement steady against contracts. Prices rule firm.

Tar Acid Oils.—Buying interest failed to expand, while prices held at previous levels.

Toluol.—Steady movement to major consuming channels. Prices unchanged. November exports 3,997,540 pounds, valued at $161,837.

Xylol.—Demand moderate. Market position was firm and prices held the same. November exports 95,816 pounds, valued at $4,336.

Chicago Coaltar Bases

A fair degree of stability is reported in coaltar bases. Orders for benzol and certain other materials have been a little better in a scattered way. Offerings have been not particularly burdensome to the market. Inquiry remains fair. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8½c. to 9c., nearby refineries; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Hydrogenated Solvents

Cyclohexane.—Price lowered 1c. at 16c. per pound in less car lot drums at the works.

Cyclohexanol.—Less car lots in drums at works now quoted at 23c. per pound, former price was 26c. per pound delivered.

Cyclohexanone. — Quotations 8c. lower making less car lots in drums 32c. per pound, previously prices were on a delivered basis.

Methylcyclohexane.—Market quoted at 16c. per pound at works against 17c. per pound delivered.

Methylcyclohexanol.—Drum price for less car lots 23c. per pound at the works, compared with 26c. delivered, previously.

Methylcyclohexanone.—Prices lowered 8c. to basis of 32c. in drums, less car lots at the works.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Wood Preservers Ass'n, Feb. 4-6, Louisville, Ky.

Coaltar Acids

Anthranilic.—Market remained routine. Prices lacked alteration.

Benzoic.—Usual consumers supplied steady call for nearby needs.

Broenner's.—Dealings fair. Pricewise a firm tone predominated.

Cleve's.—Buying held close to production requirements as a rule.

Fumaric.—No new price developments, inquiries and shipments steady.

Gamma. — Transactions routine. Prices underwent no change.

H.—Business routine. Prices unchanged and firm.

Laurent's.—Trading failed to broaden, while quotatione held the same.

Maleic.—Shipments moderately active. Prices steady to firm.

Malic.—Prices firm and demand moderate.

Picramic.—Steady interest from regular channels. Prices unaltered.

Picric.—Business steady. Pricewise a firm tone prevailed.

Salicylic. — Withdrawals irregular, while market displayed firmness.

Succinic.—The call was fairly steady and prices held unchanged.

Sulphanilic.—Moderate buying, with prices at previous levels.

Tobias.—The call was spotty. Prices rule unchanged.

Other Intermediates

Alphanaphthol. — Business steady. Prices firm and unchanged.

Alphanaphthylamine. — Quotations firm, and business well sustained.

Anilin. — Withdrawals moderately active. Prices rule firm.

Anthraquinone.—Moderate replacement demand. Prices without change.

Benzaldehyde. — Prices unchanged with tone firm. Fair inquiry.

Benzidin Base. — Dealings routine. Prices continued firm.

Betanaphthol. — Consumers displayed moderate interest. Prices unchanged.

—Continued on page **36**

Barrett Co. Reduces Prices For Hydrogenated Solvents

The Barrett Company, this city, has announced the following price schedule for its hydrogenated coaltar chemicals:—Cyclohexane and methyl cyclohexane, tankcar, 14c. per pound; car lots, 15c. per pound; 55-gal. steel barrels, 16c. per pound; 5-gal. cans, 21c. per pound; 1-gal. cans, 26c. per pound; cyclohexanol and methyl cyclohexanol, tankcar, 21c. per pound; car lots, 22c. per pound; 55-gal. steel barrels, 23c. per pound; 5-gal. cans, 28c. per pound; 1-gal. cans, 33c. per pound; cyclohexanone and methyl cyclohexanone, tankcars, 30c. per pound; car lots, 31c. per pound; 55-gal. steel barrels, 32c. per pound; 5-gal. cans, 37c. per pound, and 1-gal. cans, 42c. per pound. All prices are f.o.b. Frankford, Phila., Pa. Terms are net cash 30 days.

Robert Joseph Forms Steel & Chemical Corp.

The Commercial Steel & Chemical Corporation, 80 Broad street, this city, has been formed by Robert Joseph and Julius Rosenthal. Both Mr. Joseph and Mr. Rosenthal have withdrawn their interest and resigned as officers of Robert Joseph, Inc. The new company, of which Mr. Joseph is president, and Mr. Rosenthal treasurer, will export and import coaltar chemicals.

Colgate-Palmolive Forms Two New Selling Departments

Manning O'Connor, manager of the toilet goods division of the Colgate-Palmolive-Peet Company, Jersey City, has announced the establishment of a merchandising department to create and prepare all merchandising plans, and a sales operation department to put those plans in operation. Alphonse N. LaBelle will be in charge of the former, with the title of merchandising manager of the toilet goods division, and Walter W. McKee has been designated head of the sales operation department, with the title of sales-manager, toilet goods division.

N.A.I.D.M. Completes 1941 Committees

The National Association of Insecticide and Disinfectant Manufacturers has completed the formation of its various committees for 1941, the chairmen of which follow:—

Insecticide section, general chairman, John N. Curtlet, of McCormick & Co., Baltimore; insecticide scientific, A. E. Badertscher, of McCormick & Co., Baltimore; mothproofing investigations, F. W. Fletcher, of the Dow Chemical Company; cattle spray, Franklin C. Nelson, of Stanco, Inc.; insecticide market, Robert C. White, Jr., of the Robert C. White Company, Philadelphia.

Disinfectant section, general chairman, Henry A. Nelson, of the Cleveland Supply Company, Cleveland; disinfectant scientific, E. G. Klarmann, of the Lehn & Fink Corporation, Bloomfield, N. J.; disinfectant marketing, Peter Dougen, of Merck & Co., Rahway, N. J.; export standards, John A. Marcuse, of the West Disinfecting Company, Long Island City.

Sanitary specialties, general chairman, J. L. Brenn, of the Huntington Laboratories, Huntington, Ind.; sanitary specialties, scientific, R. B. Trusler, of the Davies-Young Soap Company, Dayton; sanitary specialties marketing, George L. Simmons, of the U. S. Sanitary Specialties Corporation, Chicago.

General committees, research, W. B. Eddy, of the Rochester Germicide Company, Rochester; legislative, C. L. Fardwell, of McCormick & Co., Baltimore; membership, C. L. Weirich, of the C. B. Dolge Company, Wesport, Conn.; market survey, Walter Dilbersack, of the A. S. Boyle Company, Jersey City, N. J.; specifications and purchases, Gordon M. Baird, of Baird & McGuire, Inc., Holbrook, Mass.; American museum of health, John A. Marcuse, of West Disinfectanting Company, Long Island City.

Convention, mid-year meeting, N. J. Gothard, of the Sinclair Refining Company, Chicago; program, R. F. Neptun, of the Allaire Woodward Company, Peoria, Ill.; arrangements, Ira P. MacNair, of the MacNair-Dorland Company, New York; entertainment, M. J. Flanagan, of the Federal Varnish Company, Chicago; golf, Dudley Lumm, of the Givaudan - Delawanna, Inc., Chicago; horse-shoe pitching, Wallace Thomas, of the Gulf Oil Corporation, Pittsburgh; transportation, Robert B. Magnus, of Magnus, Mabee & Reynard, New York; associate members, L. A. Trevisan, of the American Can Company, New York.

Alcohol Freight Rate Reductions Are Suspended

OPD Washington Bureau
January 15, 1941

Railroad schedules reducing the less-than-carload rating on denatured alcohol, methanol, and anti-freeze preparations from 70 percent of first class to 55 percent of first class from Official territory to Southwestern and Western trunkline territories were suspended today by the Interstate Commerce Commission.

Continental Can to Build New Plant at St. Louis

The Continental Can Co., Inc., this city, will build a new can-making plant at St. Louis, which will consolidate and increase existing manufacturing facilities which the company already has in St. Louis and East St. Louis. This is one of the items approved under the company's three-year $25,000,000 program of plant expansion and improvement. Work will begin immediately on the new plant, which will consist of a one-story factory building, with a two-story office section and a warehouse. A train shed with loading platforms and a siding will accommodate twenty-two freight cars. The plant will be devoted to the manufacture of general line cans which are used for packing such products as paint, lard, syrup, honey, chemicals and innumerable other commodities.

Borax Corp. Formed

Helleno-American Borax Corporation has been organized in Los Angeles with 2,500 shares of no-par value capital stock. Directors are A. N. Leopold and May C. McCormick, of Los Angeles; and Demetra Leopold, of Lancaster, Calif. The new corporation is represented by Milton Wichner, 1109 Rives-Strong building, Los Angeles.

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KOPPERS COMPANY · PITTSBURGH, PA.

Coaltar Chemicals

Other Intermediates

—*Continued from page* 35

Betanaphthylamine. — Transactions irregular, and prices firm.

Diethylanilin. — Business confined to nearby needs. Quotations unchanged.

Dimethylanilin. — Shipments moderately active. Prices rule firm.

Dinitrobenzene. — Steady interest. Tone of market firm.

Dinitrochlorobenzene. — The call was moderate, and prices well maintained.

Dinitronaphthalene. — Usual consumers supplied a satisfactory demand.

Dinitrophenol. — Trading narrow as a rule, while prices held firm.

Dinitrotoluene. — Steady buying, and prices continued firm.

Diphenyl.—Business lacked broadening, although prices were firm.

G. Salt.—Market strictly routine. Prices rule firm.

Metanitroparatoluidin. — Dealings narrow. No change in the prices.

Nitrobenzene. — Shipments moderate and steady. Prices unchanged and firm.

Nitronaphthalene. — Purchases held at moderate levels. Prices firm.

Orthoanisidin. — Consumers made fair size replacements to keep market firm.

Orthochloroanilin.—Takings moderate against contracts. Prices unchanged.

Orthochlorophenol. — Fair demand. No change occurred in the quotations.

Orthocresol.—Market position firm, and buying steady.

Orthodichlorobenzene. — Shipments held steady, and prices firm.

Orthonitroanilin. — Steady to firm price tone, with business steady.

Orthonitrotoluene. — Inquiries and shipments steady. Prices firm.

Orthotoluidin. — Prices firm, and transactions well sustained.

Parachlorophenol. — Moderate demand, with prices unchanged.

Paranisidin. — Business irregular, and prices held the same.

Paranitroanilin.—Withdrawals moderate, and prices firm.

Paranitrophenol. — Demand spotty. Pricewise no change occurred.

Paranitrotoluidin.—Firm price tone, with moderate demand.

Phthalic Anhydride.—Good demand. Prices unchanged and tone steady to firm.

R. Salt.—Dealings routine. Pricewise a firm tone prevailed.

Thiocarbanilide. — Usual consumers made moderate replacements.

Coaltar Colors

Business in the market for various coaltar chemicals was irregular last week. Some consuming lines made their appearance for replacements after the year end inventory period, and gradual resumption of normal buying was looked for from a number of other important consumers. Export inquiries remained moderate. Prices were well sustained, and tone was one of firmness.

November exports of coaltar colors, dyes and stains amounted to 1,617,488 pounds, valued at $1,347,095. Of the total 436,296 pounds went to Canada; 460,908 pounds to British India; 163,874 pounds to the United Kingdom and 103,132 pounds to Mexico.

Blues and colors in the beige-to-brown family will be the most popular colors in woman's apparel and accessories in the coming season, according to the 1941 Easter and late Spring Color Card released by the National Retail Dry Goods Association. Navy and black will also be volume leaders, but green, gray, gold and rose will assume minor positions.

Tenn. Eastman to Make Dyes

The Tennessee Eastman Corporation, Kingsport, Tenn., a subsidiary of the Eastman Kodak Corporation, Rochester, N. Y., has announced that the company was entering the acetate dye manufacturing field.

Hypochlorination Employed To Purify Rochester Water

"Sanitation HTH," a hypochlorite product manufactured by the Mathieson Alkali Works, this city, was employed in the decontamination of the drinking water supply of Rochester, N. Y., recently, after polluted water from the Genesee river poured into city mains through the mistake by a repair gang in opening a forgotten cross connection valve of the municipal drinking water supply to the separate fire hydrant supply.

Upon discovery of the pollution, Rochester water works authorities immediately ordered liquid chlorine fed into city reservoirs at greatly increased rates. However, four days of accelerated chlorination failed to reach mains in the outskirts of the city. Therefore, to effect immediate decontamination, authorities, using fire pumping equipment and street flushing trucks, employed forced hypochlorination into hydrants with "Sanitation HTH."

Drawing water from hydrants in various parts of the city, water works men prepared solutions of 168 parts per million available chlorine in street flushing trucks by adding five pounds of "HTH," recirculating to dissolve and making up to 2,500 gallons. Booster pumps than forced the "HTH" solutions back into city mains under fifty pounds pressure.

After two days of such injection into city mains, health department officials ruled the drinking supply again safe. According to Commissioner of Public Works William H. Roberts, chlorination with "HTH" solutions saved two weeks in purifying the water.

Paper Water Resistance Test Described in New Bulletin

The Hercules fluorescence test for gauging the water resistance of paper is described in condensed form in a new bulletin issued by the PMC department of the Hercules Powder Company. The leaflet explains the new method, describes the satisfactory instrument developed therefor, and analyzes possible errors which may occur during its application. A copy of the bulletin may be obtained by communicating with the Hercules Powder Company, Delaware Trust Building, Wilmington, Del., mentioning the REPORTER.

McCann Chemical Moves

McCann Chemical Company has moved to larger quarters at 1022 Main street, Louisville, Ky. The company, of which C. W. A. McCann is president, markets its heavy chemicals, industrial cleaning compounds, oil, polishes and janitors' supplies under the tradename "Avalon."

Vitamin B Use in Foods Discussed in New Leaflet

The use of vitamin B_1, or thiamin chloride, in foods is discussed in a leaflet just published by Merck & Co. The summary reviews very briefly a few of the essential points of interest to manufacturers considering the use of vitamin B_1 in their products. A copy of the leaflet may be obtained from Merck & Co., Rahway, N. J., on mention of the REPORTER.

Chemical and Fertilizer Firms Surveyed by SEC

The Securities and Exchange Commission has made public the twenty-sixth of a series of supplements to the industry reports of the Survey of American Listed Corporations. The supplements cover financial operations for the fiscal year ending between July 1, 1939, and June 30, 1940, approximately one-third of the companies covered in this supplement having fiscal years ending as late as May 31 or June 30, 1940.

This supplement contains reports on twenty-one manufacturers of chemicals and fertilizers having assets over $10,000,000 each. All of these corporations had securities registered under the securities exchange act of 1934 at June 30, 1939. The companies covered in the supplement are:—

Air Reduction Company, Allied Chemical & Dye Corporation, The American Agricultural Chemical Company (of Delaware), Atlas Powder Company, Columbian Carbon Company, Commercial Solvents Corporation, The Davison Chemical Corporation, The Dow Chemical Company, E. I. du Pont de Nemours & Co., Hercules Powder Company, Interchemical Corporation, International Agricultural Corporation, The Mathieson Alkali Works, Monsanto Chemical Company, Pennsylvania Salt Manufacturing Company, Tennessee Corporation, Union Carbide & Carbon Corporation, United Carbon Company, U. S. Industrial Alcohol Company, Virginia-Carolina Chemical Corporation, and Westvaco Chlorine Products Corporation.

Copies of this supplement, as well as of supplements Nos. 1 to 25, inclusive, and volumes I and II, which are still available, may be secured without charge by request to the publications unit of the Securities and Exchange Commission in Washington, D. C.

General Chem. to Build Plant in Vancouver, Wash.

General Chemical Company, a subsidiary of the Allied Chemical & Dye Corporation, this city, has announced that it will shortly commence construction of a plant on property recently acquired in Vancouver, Wash. The initial project will provide facilities for the manufacture of sulphate of alumina thus providing local production of this essential chemical for paper manufacture, supplying the many paper mills located in the area. In addition, warehouse facilities will be provided to enable this company to carry complete stocks of various chemicals consumed in this important industrial area.

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Industrial Uses of Chemicals and Related Materials

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Producers' Guide to New Markets Technical Information for Processors

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(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Alpha'-betadichloromethyl Ketone

Chemical

Reactant in—
Organic syntheses

Military

As a military poison gas (lachrymator)

Alphapicolin-N-dodecylamide

Insecticide

Toxis agent (Brit. 503490 and 503507) in—
Insecticidal preparations

Butylpyrogallol, Tertiary

Photographic

Developing agent in—
Photographic reproduction processes (claimed as being particularly suitable for tropical use)

Diaminodiethyl Sulphide

Chemical

Intermediate in making—
Corrosion inhibitors
Pharmaceutical chemicals
Rubber vulcanization accelerators

Dye

Intermediate in making—
Dyestuffs

4:6-Dichlor-7:8-benzoquinolin

Pharmaceutical

Claimed (Brit. 481874) as—
Colorless products useful in destroying blood parasites (malaria), amebae, and worm infections

Di-(2-chloroetyl) formal

Cellulose Products

Suggested as high-boiling solvent for—
Cellulose derivates

Chemical

Suggested as high-boiling solvent for various purposes
Suggested as intermediate in making—
Rubber vulcanization accelerators
Synthetic organic chemicals of various types

Fats, Oils, and Waxes

Suggested as solvent for—
Fats Waxes
Oils

Insecticide

Suggested as intermediate in making—
Insecticides

Resins

Suggested as solvent for—
Resins

Diethyleneglycol Diacetate

Cellulose Products

Suggested as high-boiling solvent for—
Cellulose esters

Chemical

Suggested as—
Reactant in organic synthesis

Ink

Suggested as solvent in—
Printing inks

Miscellaneous

Suggested as high-boiling solvent in—
Coating agents containing cellulose esters and/or synthetic resins

Paint, Varnish, and Lacquer

Suggested as high-boiling solvent for—
Cellulose esters
Synthetic resins
Suggested as high-boiling solvent in—
Paints, varnishes, lacquers, enamels, dopes, and coating compositions

Resins

Suggested as solvent for—
Synthetic resins

Di-isopropanolamine

Chemical

Organic chemical offering the following properties—
Colorless, somewhat viscous liquid
Completely miscible with water
Claimed as potentially useful in making—
Emulsifying agents for—
Cutting oils
Insecticides
Leather compounds
Polishes
Textile specialties
Water paints

Dioctylaminoethanol

(Di-(2-ethylhexyl)aminoethanol)

Chemical

Suggested as intermediate in making—
Corrosion inhibitors
Emulsifying agents
Organic chemicals
Pharmaceutical chemicals
Textile auxiliaries

Insecticide

Suggested as intermediate in making—
Insecticides

Ethyl Paraoxybenzoate

(Additional uses — supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)

Miscellaneous

Preventive of
Fermentation Mold

3-Methylthiol-2:4-benzothiazin Ethiodide

Dye

Starting point (Brit. 478945 and 496520) in making—
Photosensitizing dyes with the aid of—
3-Ethylrhodanin
3-Ethylthiorhodanin
3-Methylrhodanin
3-Methylthiorhodanin

Methyldioxolane

Cellulose Products

Suggested for use as—
Solvent for cellulose derivatives, especially cellulose acetate

Chemical

Reactant in—
Organic syntheses
Suggested for use as—
Low-boiling solvent

Dye

Suggested for use as—
Solvent

Fats, Oils, and Waxes

Suggested for use as—
Extractant and solvent for—
Fats Waxes
Oils

Miscellaneous

Suggested for use as—
Extractant Solvent

Nickel Chloride

(Chlorure de Nickel, Chlorure Nickelique, Cloruro di Nickello, Cloruro de Niquel, Niccolum Chloratum, Nickelchlorur)

Analysis

Determiner (U.S. 1513558) of—
Hydrogen ion concentration

Building Construction

Coating and waterproofing agent (U.S. 1364587) for—
Cement Mortar
Concrete Trass

Cellulose Products

Catalyst (French 660623) in making—
Cellulose esters

Chemical

Catalyst (U.S. 1198943, 1198944, 1338709, 1373654, 1450174, and 1497815; Brit. 445963) in—
Chemical processes
Catalyst in making—
Calcium chloride (U.S. 1153502)
Oxygen (U.S. 1153502)
Extractant (French 594760) for—
Ethylene from gaseous mixtures (used in combination with magnesium phenylbromide)
Ingredient (Brit. 445963) of—
Catalytic mixtures used in making—
Ethers from alcohols
Process material in making—
Chlorine (U.S. 1178591)
Cyclohexene (U.S. 1221382)
Cyclophentene (U.S. 1221382)
Dihydrobenzene (U.S. 1221382)
Regenerating agent (U.S. 1373654) for—
Nickel catalyst
Starting point in making—
Nickel carbonate (U.S. 1432668)
Nickel hydroxide (U.S. 1135785 and 1497815)
Nickel oxide (U.S. 1520305)
Nickel salts
Starting point in making—
Catalysts for specialized processes, such as—
Dehalogenizing organic compounds
Destructive hydrogenation
Hydrogenation processes
Reduction processes
Catalysts (special) for hydrogenation processes (U.S. 1156068, 1327396, 1451113, 1511520, and others; Brit. 414370 and 415203)
Catalysts (special) used in making—
Ammonia (U.S. 1141948 and 1159365)

Coal-Treating

Accelerator (Brit. 405371) of—
Nascent hydrogen formation in processes for hydrogenation of—
Benzol Coaltar
Coal

Electrical

Ingredient of—
Electrolytes used in making magnetic nickel-cobalt-iron alloys used in electrical (sound) reproduction processes (U.S. 1920964)
Electrolytes used in plating master records for phonographic reproduction purposes (U.S. 1513120)
Starting point (Brit. 413526) in making—
Magnetic alloy powders for use in telephonic communication, radio, and phonographic reproduction

Fats and Oils

Catalyst (U.S. 1450174) in—
Vegetable oil hydrogenation
Reagent (U.S. 1159355) for separating—
Fatty acids from water
Oils from water
Starting point in making—
Catalysts (special) for hydrogenation processes (U.S. 1156068, 1327396, 1451113, 1511520, and others; Brit. 414370 and 415203)
Catalysts used in the hydrogenation of—
Animal oils Polymerized oils
Fats Unsaturated oils
Fish oils Vegetable oils
Oxidized oils

Ink

Ingredient of—
Sympathetic inks

Metallurgical

Ingredient of—
Electrolytes (U.S. 1291310, 1397785, 1504206, 1504207, 1513119, and 1513120; French 588710)
Plating baths for aluminum or its alloys (French 626709)
Plating baths for zinc-base alloys (U.S. 1967715)
Plating baths used for nickelplating cast zinc
Starting point (Brit. 413526 in making—
Magnetic alloy powders for use in telephonic communication, radio, and phonographic reproduction

Military

Ammonia gas absorbent in gas masks

Miscellaneous

Ingredient of—
Sympathetic color (U.S. 1402442)

Petroleum

Accelerator (Brit. 405371) of—
Nascent hydrogen formation in processes for hydrogenation of—
Petroleum residues

Pharmaceutical

Suggested for use as—
Antiseptic in various pharmaceutical preparations

Refrigeration

Absorbent for—
Ammonia in gas masks used in trouble shooting

Sanitation and Water

Process material (U.S. 1455363) in making—
Artificial zeolite
Process material (U.S. 1455363) in treating—
Water-purifying material containing glauconite

Soap

Starting point in making—
Catalysts used in the hydrogenation of—
Animal oils Fish oils
Fats Vegetable oils

Para-acetoxyvinyl Ketone

Resins

Starting point (Brit. 484599) in making—
Polymerized products useful as resins

Tetra-amylthiuram Monosulphide

Rubber

Accelerator and improver (Brit. 499935) in—
Vulcanizing process (without trouble from prevulcanization)

Uses and Applications *of Chemicals and Related Materials* • **A cloth-bound book of 665 pages (6 x 9) containing information similar to that above on 5167 materials** • **$10** postage paid in U. S. 39c postage elsewhere

DUTCH BOY DRY LEADS

...Now Packed in Bags!

Effective about March 1st, Dutch Boy dry leads will be available in bags. This applies to the following: Dutch Process, Carter Process, H.T.S., 333, 111, and Dutch Boy Basic Lead Sulphate White, acicular type. The bags are especially designed for these products. They are made of burlap, waterproofed, and are 50-lb. size. National Lead Company is glad to offer its customers this added convenience.

NATIONAL LEAD COMPANY

111 Broadway, New York; 116 Oak Street, Buffalo; 900 West 18th St., Chicago; 659 Freeman Ave., Cincinnati; 1213 West Third Street, Cleveland; 722 Chestnut Street, St. Louis; 2240 24th Street, San Francisco; National-Boston Lead Company, 800 Albany St., Boston; National Lead & Oil Co. of Penna., 1376 River Ave., Pittsburgh; John T. Lewis & Bros. Co., Widener Building, Phila.

Paint, Varnish, Lacquer Materials

Activity During Week Gives Further Promise of Good Year — Most Paint Materials Moving Satisfactorily — Argentine Casein Advance Expected February 1—Turpentine Stronger

Demand for raw paint materials remained heavier than at the corresponding time last year, with requirements of the national defense program and the higher rate of construction supplying the impetus. Judging by contracts already negotiated for first quarter delivery business will be more than satisfactory to most producers.

Pigments were moving well during the week, with zinc oxides and titaniums setting the pace. Dry color business was showing definite signs of further improvement. Varnish gum markets were quiet, but inquiries indicated a spurt in trade shortly. Synthetic resins were moving into consumption at a satisfactory rate. Casein was routine, with production remaining below normal. Argentine casein will be advanced February 1, when the freight rates from there are boosted. Hide and bone glues were scarce, demand exceeding available supply. Further advances in the prices on hide glues would not be a surprise to the trade.

Southern and local markets for naval stores were more active last week, buying being stimulated by developments in other commodities and by indications of expanding consumption in various industries. The turpentine trend was still mainly upward. Rosin was irregular.

Metallic Lead and Zinc

The lead market continued quiet during the week, with buying generally restricted to carload quantities for late January delivery. Needs for this month are believed virtually completed, with February requirements estimated about half filled. The market for slab zinc showed little change, with demand still exceeding available supplies. Prices on both lead and zinc remained firm and unchanged at New York and East St. Louis.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from January 11 to January 17, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0550@.0555	$0.0535	..* .. ..
Monday	.0550@.0555	.0535	.. .. ..
Tuesday	.0550@.0555	.0535	.. .. ..
Wedn'sd'y	.0550@.0555	.0535	.. .. ..
Thursday	.0550@.0555	.0535	.. .. ..
Friday	.0550@.0555	.0535	.. .. ..

* London exchange closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from January 11 to January 17, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	..* .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Pigments

Antimony White.—Shipments fairly large. Prices steady.

Flake White.—Little new business. Contract call routine. Price firm and unchanged.

Litharge.—Demand running ahead of the similar period last year. Inquiries satisfactory. Price steady and unchanged. Exports from the United States during last November totaled 276,662 pounds, valued at $16,131.

Lithopone.—Good demand reported. Contract shipments at good levels. New business fairly active. Prices steady and unrevised. November exports from the United States were 2,632,897 pounds, valued at $104,284.

Titanium Pigments.—Consumers continued to show a good interest in offerings. Contract call was satisfactory. Inquiries were fair. Prices were firm and unchanged. November exports from the United States were 995,843 pounds, valued at $85,895.

Orange Mineral.—Movement into consumption was larger during the week, with a bit of new business making an appearance. Prices were steady.

White Lead.—The dry pigment was moving well, with an active demand recorded. November exports from the United States were 62,244 pounds, valued at $4,139. White lead-in-oil business was only routine during the period, but a more active market is anticipated. Exports of the latter product from the United States during November totaled 100,058 pounds, valued at $9,702.

Zinc Oxides.—An unseasonally strong call was recorded during the past week. Shipments were in large volume. Inquiries for future delivery were numerous. New business was fairly active. Prices were steady and unchanged.

Fillers and Extenders

Asbestos.—Fair call. Price steady.

Asphaltum.—Normal business reported. Price unchanged.

Barytes.—Outlook promising. Inquiries satisfactory. Shipments normal. Prices firm and unrevised.

Blanc Fixe.—Slight improvement reported. Prices firm.

China Clay.—Market quiet. Pick-up expected in the near future. No changes in quotations.

Diatomaceous Earth.—Routine business. Price steady.

Fullers Earth.—Quiet and firm.

Graphite.—Satisfactory interest in offerings. Shipments running ahead of

Price Changes

Advanced

Turpentine, gum, 1½c. per gal.
Turpentine, s.d., 1c. per gal.

Reduced

Rosin, gum, 2c. to 27c. per 100 lbs.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
128.0	128.0	127.4	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Wood Preservers Ass'n, Feb. 4-6, Louisville, Ky.
Painting Contractors of Amer., Feb. 4-7, St. Paul, Minn.
Purchasing Agents Ass'n, May 26-29, Chicago.

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EASY BRUSHING & GOOD LEVELING
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ENTIRELY SOLUBLE IN MINERAL SPIRITS & COAL-TAR SOLVENTS
NEUTRAL WITH BASIC PIGMENTS

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60% SOLIDS—40% MINERAL SPIRITS

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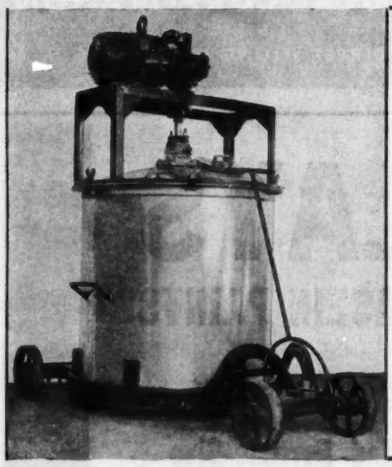

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Synthetic resin kettles either portable or of set type of any construction.
VARNISH KETTLES
Varnish kettles of all shapes and sizes in copper, Monel, nickel, or stainless steel.
KETTLE TRUCKS
Brighton roller bearing varnish kettle trucks will solve your truck problems. Write for details.
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Accroides • Singapore Damars • Congo Gums • Loba • Batu
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Pale East Indias • Pontianak
NATURAL RESINS, as raw materials, are as old as the varnish art itself. The resins are available in a continuous series as regards solubility, hardness and color and therefore offer the formulator a wide choice. Some of these resins are processed at our plants, under rigid control. The scarcity of chinawood oil makes the use of certain of these processed naturals particularly desirable now.
From many years of experience, involving worldwide coordination, the Stroock & Wittenberg Corporation has established connections to safeguard careful selection, grading and packing. Representative retained samples and warehouse stocks round out a comprehensive service.
THE COMPLETE RESIN LINE
"S & W" ESTER GUM—all types
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NATURAL RESINS—all standard grades
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60 East 42nd St. NEW YORK, N. Y.

last year. Prices firm and unchanged.

Gypsum.—Inquiry fair. Price firm.

Mica.—Little of new interest. Business at fairly good level. Prices firm and unchanged.

Woodflour.—Satisfactory interest in domestic grades. Prices firm. Imported product unavailable. Prices withdrawn.

Driers

Movement of stearates and palmitates began to show signs of improving during the period under review. Contracting for first quarter delivery was about over, and prominent producers reported that bookings were heavier than during the similar period last year. Prices were firm and unchanged.

Naval Stores

Distribution of government supplies of turpentine and rosin was resumed late last week, the distributors' agreement with the CCC for 1941 having been signed by trade interests in all parts of the country. It became effective on Friday. Deliveries of government holdings of turpentine were limited to the supplies at Valdosta, while rosin was available at all of the regular marketing points. Turpentine continued to display strength much of the time during the week, sales being reported at new high levels. Rosin showed irregularity as a result of increased offerings of some grades. Under the terms of the new trading rules recently adopted, official primary market quotations on rosin now apply only to drums. Offerings in barrels have been steadily decreasing for some time past and are now of small importance in comparison with the drum offerings. There is a belief that the use of wooden containers will show a further decrease in the near future as only rosin in drums will be eligible for government loans during the coming season. Business in rosin and turpentine showed improvement last week.

Turpentine.—No broadening of business was noticeable in the local market last week, consumers still being disposed to adhere to a conservative course in making purchases, but an increase was reported in the demand for moderate lots.

SAVANNAH, Jan. 17.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Saturday*	..	...	...	...	...
Monday	36	1,250	38	367	11,727
Tuesday	36¼	1,700	259	27	11,930
Wednesday	36¾	1,150	179	1,569	10,540
Thursday	36¾	650	8	...	10,548
Friday	37	550	13	135	10,426

* No trading.

JACKSONVILLE, Jan. 15.—Turpentine stocks 15,506 barrels.

PENSACOLA, Jan. 11.—Turpentine stocks 11,255 barrels.

Chicago—Jan. 17

Improved prices and slightly better market interest are reported in turpentine. Ruling prices at the close of business last night were:—Five-drum lots, 49c. per gallon; five wood barrels, 54c.; one to four drums, 52c.; one to four barrels, 57c.

Rosin.—Local rosin prices showed irregularity last week in company with the course of quotations in the primary market where offerings of some grades showed a considerable increase. Business here lacked snap but an increase was noted in the request for moderate quantities of various grades.

SAVANNAH, Jan. 10.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted					
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$1.51	$1.51	$1.51	$1.50	$1.50
D	...	1.63	1.62	1.62	1.60	1.58
E	...	1.63	1.65	1.65	1.63	1.60
F	...	1.65	1.67	1.70	1.64	1.62
G	...	1.67	1.67	1.67	1.65	1.63
H	...	1.75	1.67	1.70	1.68	1.66
I	...	1.84	1.85	1.75	1.70	1.68
K	...	2.10	2.06	1.67	2.06	2.05
M	...	2.12	2.11	1.67	2.11	2.10
N	...	2.25	2.26	2.00	2.30	2.25
WG ..	...	2.55	2.55	2.55	2.55	2.55
WW ..	...	2.75	2.76	2.76	2.76	2.76
X	...	2.75	2.76	2.76	2.76	2.76
		Barrels				
Sales....	...	197	372	28	265	264
Receipts.	...	541	1,328	291	78	583
Shipments	...	743	1,199	767	...	994
Stocks...	...	...	...	...	...	171,761

* No trading.

JACKSONVILLE, Jan. 15.—Rosin stocks 333,076 barrels.

PENSACOLA, Jan. 11.—Rosin stocks 57,050 barrels.

Chicago—Jan. 17

Rosin remained quiet. Ruling prices at the close of business last night in five-drum lots were:—B grade, $2.81 per 100 pounds net; G grade, $3.00; M grade, $3.41; W.W. grade, $4.06.

Other Naval Stores

Pine Oil.—Market firm. Fairly ac-

SICO
Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products
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COLTON TABLET MACHINE
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Latest model, especially designed for small tablets (⅛ to ½ inch in diameter) and compressed triturates. Highly productive capacity. Rugged construction. Positively, easy compression control.
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Chrome Greens
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KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

tive demand from local and outside consumers.

Pitch.—Quotations generally firm. Trade fairly active. Stocks light or moderate.

Rosin Oil.—Fair movement of moderate quantities. Quotations maintained.

Tar.—Steady movement on contracts and transient orders. Tone firm.

Dry Colors

Alkali Blue.—Fair call. Prices firm.

Bone Black.—Routine movement. Better business expected. Prices firm and unrevised.

Carbon Black.—Akron tire manufacturers were ordering in good volume during the week. Prices were steady and unchanged. Production in the United States during December has been estimated at 40,800,000 pounds. Stocks on hand at the end of the year totaled 161,000,000 pounds, compared with 124,000,000 on December 31, 1939.

Cadmium Lithopones.—Normal business reported. Inquiries more numerous, indicating an improved trade during the first quarter. Prices firm and unchanged.

Carmine No. 40.—Satisfactory call. Price steady.

Chrome Colors.—Routine movement of stocks. Price steady.

Iron Oxides.—Movement good. New business satisfactory. Prices firm and unchanged.

Lamp Black.—Prominent producers reported a heavier volume of business during the period under review. Prices were steady and unrevised. November exports from the United States totaled 142,812 pounds, valued at $11,917.

Mercuric Oxides.—Market quiet. Prices firm.

Vermilion.—Buying in small quantities reported. Price steady.

Lacquer Materials

Shipments moved at a steady pace in the market for lacquer materials and solvents. In not a few instances, sellers were pressed to make deliveries. Operations in practically all basic consuming industries were at high levels, reflecting to a large extent the effect of the national defense program. While some export business was consummated, sellers preferred to preserve supplies for the increasing needs of domestic consumers. Prices were without alteration, but the tone was firm. Acetone exports continued in good volume to the United Kingdom, Australia and Canada.

Acetone.—Steady demand and market position strong. Prices unchanged. November exports 3,346,868 pounds, valued at $233,404.

Amyl Acetate.—Prices without change and firm. Shipments well sustained. November exports 5,051 pounds, valued at $743.

Butyl Acetate.—Shipments moderately active. Prices held firm. November exports 779,111 pounds, valued at $71,062.

Butyl Alcohol.—Buying well maintained, with prices firm and unchanged. November exports 587,129 pounds, valued at $51,928.

Cellulose Acetate.—Steady to firm price tone. Demand irregular.

Diamyl Phthalate.—Dealings routine. Pricewise a firm tone prevailed.

Ethyl Acetate.—Market position firm. Business continued steady.

Ethyleneglycol.—Shipments moved well against contracts. Prices rule firm.

Isopropyl Acetate.—Consumers made steady replacements to keep position of market firm.

Tricresyl Phosphate.—Withdrawals held at favorable levels in most directions. Prices unchanged and tone was firm.

Shellac

The stronger market for shellac reported during the previous week continued with little abatement throughout the period under review. Replacement market values showed little of weakness and contained elements suggesting that strength was the influential factor in the general position at the source. Demand in local markets was maintained at the volume noted for some time past and the outlook for the future was considered to be favorable.

Varnish Gums

The market for natural resins began to pick up during the past week. Inquiries for the near future were more numerous. Prices were reported firm at domestic centers and primary points abroad.

Synthetic Resins

Interest in these ingredients was reported at a good level during the week. Shipments were larger. New business was better than normal. Prices were firm and unchanged. November exports of synthetic resins in powder, flake or liquid form totaled 1,016,612 pounds, valued at $249,446.

Glues and Binders

Casein.—Demand remained at previous levels last week. Quotations on the domestic material were unchanged and firm. Production was still below normal. Argentine material was moving well at an unchanged price. The freight rates from the Argentine to the United States will be increased $4 per ton February 1. This will advance the casein price about ¼c. per pound. November imports from there totaled 783,803 pounds, valued at $40,370.

Glues.—Both bone and hide glues were very scarce, with demand exceeding offerings. Price of latter expected to be advanced in few weeks.

Paint Types for Plant Camouflaging Asked

—Continued from page 5

from the vision of the bomber, they must be painted or otherwise concealed, he said. Paint seems to be the most economical method of doing this concealment, he said, because blacktop and other materials would run into considerable expense.

The German government has photographs of every industrial area in this country, Mr. Bell declared. If war should come, how simple it would be for enemy bombers to site our important munitions plants if they are not camouflaged, he added. Mr. Bell held that a type of paint will have to be developed which will absorb light, not reflect it. His aerial photos showed that bridges, oil tanks and other objectives painted with aluminum are particularly visible from the air and must be covered with a dull finish.

The Art Institute of Buffalo is training a group of seventy young men in this new science in the hope that they may be able to serve as a nucleus from which the study can spread to all parts of the country, Mr. Bell said. Scale models are being made of Buffalo area industrial plants and plans for their camouflage are being devised, he added.

Titanium-Rutile Pigment Technical Data Presented

Complete information on the hiding power, opacity, and fading and chalking tendencies of two entirely new white titanium pigments is given in a technical bulletin just released by the Titanium Pigment Corporation. The new pigments, a titanium-rutile-calcium variety identified as "Titanox"-RC, and a titanium-rutile-calcium high-tinting variety identified as "Titanox"-RC-HT, are said to have all of the inherent advantages associated with the well-known "Titanox"-C, namely low specific gravity, fine particle size, and high light reflectance, with the added feature of an increase in tinting strength.

A copy of the new booklet may be obtained by writing the Titanium Pigment Corporation, 111 Broadway, New York, mentioning the REPORTER.

Balto. Paint Salesmen Discuss Training Course

Baltimore, Jan. 15, 1941

The monthly meeting of the Baltimore Paint Salesmen's Club was devoted chiefly to the beginning of the course of instruction for dealers, salesmen and clerks in paint stores, which gets underway this evening at Polytechnic Institute. Many of the club's members have registered for the ten-week course. It was voted at the meeting to hold a "Ladies' Night" sometime in February.

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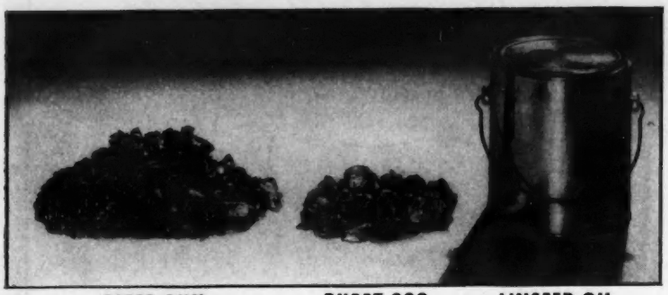

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1. Accelerated bodying.
2. Improved water resistance.
3. Faster dry.
4. Harder film.
5. Better alkali resistance.

Yet your cost per gallon remains practically the same.

If you're not using Durez 209 in your inexpensive linseed oil-ester gum varnishes send for a sample today. Your sales department will make good use of the improved properties Durez 209 will build into these varnishes. We'll be glad to mail suggested formulas—thoroughly tested—and samples. Just write—

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Walck Road, North Tonawanda, N. Y.

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"Blackest of asphalts"—a dense black natural product with higher melting point than Gilsonite. Used for enamels, varnishes, japans, air drying and heat resisting blacks, rubber finishes, etc.

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Also known as varnish maker's BLACK. Used as a toner in high grade enamels, japans, varnishes and composition goods.

STEARINE PITCH
Cottonseed, animal, vegetable in all consistencies. Guaranteed uniformity of melting point, penetration and color. We also rerun, blend and AIR-BLOW pitch to viscosity, acid, saponification and iodine specification.

NATURAL ASPHALTS
All types from all parts of the world—Barbados, Cuban, Egyptian and South American.

GILSONITE SUPER SELECTS
M.P. 275° F., low viscosity type, extremely bright, clean, easily melted. Also available in "fines" and refined form.

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BUFFALO James O. Meyers	DETROIT Edw. R. Howell	MONTREAL Wm. Phelan & Co.	SAN FRANCISCO E. M. Wells
CHICAGO Fred A. Jensen	LOS ANGELES A. J. Lynch & Co.	PHILADELPHIA Geo. A. Rowley Co.	SEATTLE Carl F. Miller & Co.
			TORONTO A. S. Puteston

N.Y. Paint Credit Group Elects Forster President

Harry F. Forster, assistant treasurer and credit manager for the Keystone Varnish Company, Brooklyn, was elected president of the New York Paint and Allied Industries Credit Association at the annual meeting January 14. Prior to his election to the presidency, he served as first vice-president in 1940, and as a director from 1935 to 1939 inclusive. The following officers and directors were also elected:—

First vice-president, Samuel Samuels, of the Eagle Paint & Varnish Works; second vice-president, Paul Knappen, of the Eagle Picher Sales Company; treasurer, Jerome Monasch, of Lehman Brothers, Inc.

Elected three-year directors were:—John C. Ball, of the M. Ewing Fox Company; Victor Isaacs, of the Central Paint & Varnish Works; Theodore H. Kleine, of the Hilo Varnish Corporation.

Metasap Develops Agent For Flat Wall Paints

After several years of research work, the technical service bureau of the Metasap Chemical Company, a subsidiary of the National Oil Products Company, has announced the development of a new type of flatting agent for flat wall paints and undercoaters.

This product, which is known as "Metasap 579," is essentially a concentrated solution of aluminum stearate and is of about the consistency and color of pure honey, the company claims. It is added to the ingredients in the paste or pony mixer and the batch is then ground through the regular mill.

Fredrickson Honorary Member Of N.Y. Production Club

James A. Fredrickson, of the Krebs Pigment & Color Corporation, Wilmington, Del., has been elected an honorary contributing member of the New York Paint and Varnish Production Club. Mr. Fredrickson, very active in the affairs of the New York club until his transfer to Wilmington, is an active member and chairman of several committees of the Federation of Paint and Varnish Production Clubs.

DuPont Offers Four Enamels

Four new interior gloss and semi-gloss colors have been developed by the finishes division of E. I. du Pont de Nemours & Co. 'Oyster White,' a white with a slightly gray-blue cast; 'Sunshine,' a clean, bright yellowish tint; 'Capri Blue,' a light pastel blue; and 'Sea Green,' a light blue-green, have been added to both line of enamels. As of May 31, 1941, interior gloss, light blue and interior semi-gloss nile green will no longer be available.

The new colors are recommended for interior walls and woodwork.

Slab Zinc Output Increased By American Zinc, Lead Co.

American Zinc, Lead & Smelting Company, St. Louis, is starting construction of an additional roasting and slab zinc production unit at the zinc smelter operated by its subsidiary, the American Zinc Company of Illinois, at Dumas, Tex. This unit, which will get into production in January, will increase the plant capacity 100 percent, giving the plant a 24,000-ton annual production of slab zinc.

Paint Resins Discussed

A variety of interesting paint technology facts are presented in the January issue of *Durez Resin News*, monthly publication of Durez Plastics & Chemicals, Inc. A copy of the issue may be had by those addressing the company at 531 Walck Road, North Tonawanda, N. Y., and mentioning the REPORTER.

Shell Union Oil Files Issues of $25,000,000

Shell Union Oil Corporation filed a registration statement with the Securities and Exchange Commission under the securities act of 1933 covering $15,000,000 principal amount of 2¾ per cent twenty-year sinking fund debentures, due 1961, and $10,000,000 of serial notes, due 1942-'53. Interest rates on the notes will be provided by amendment to the registration statement.

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Oils, Fats, and Waxes

Sales of Tallow at a Further Rise—Hog Receipts Small and Prices Sharply Higher — Cottonseed Oil and Lard Irregular —Fish and Sperm Oils Up—Coconut Advanced

The trend of miscellaneous oils, fats and greases continued upward last week, advances being recorded in many vegetable, animal and fish products. Trade was quieter, consumers being disposed in not a few cases to curtail purchases after the recent rather sharp advance and await further developments in the general business and political situation. Cottonseed oil and lard futures developed irregularity after establishing new high levels for the current movement and the course of prices for these commodities also had a tendency to make buyers of other oils and fats inclined to hold off for a time.

In a survey of the fats and oils situation, the Bureau of Agricultural Economics at Washington stated that prices of most fats and oils are expected to rise moderately in 1941 and possibly more in 1942. The principal factor bringing about this rise will be improvement in industrial activity and in consumer incomes, resulting in part from increased defense expenditures, particularly in the second half of 1941. Lard, tallow, and grease prices are likely to advance relatively more than prices of other fats, because of prospective changes in the domestic supply situation. Total supplies of domestically-produced fats are not expected to change greatly in the next two years. With reduced hog marketings, lard and grease production will be substantially smaller in 1941 than in 1940, according to the bureau.

Vegetable Oils

Castor, Dehydrated. — Increased movement on contracts and transient orders. Market firm.

Chinawood.—Ruling tone firm. Inquiry somewhat more active. Shipment offerings limited. Supplies of free oil here and on Coast reported cleaned up.

WASHINGTON, Jan. 17.—Markets for tung oil at Hankow and Hongkong were inactive during December, according to radio reports received by Chemical Division, Department of Commerce, from American Consulates General at Hankow and Hongkong. At Hankow no arrivals or exports. Price at beginning of month, 180 Chinese dollars per picul of 133 1/3 pounds, or about $0.0785 per pound; closed 185 Chinese dollars per picul or $0.0781 per pound. Stocks at Hankow approximately 2,500 short tons.

At Hongkong practically no buyers during month. Seller's price, 142 Hongkong dollars per picul in bulk, or $0.248 per pound. December imports into Hongkong for independent dealers 485 short tons. No information available regarding imports for Chinese government representatives.

Trade expects future transportation from producing centers to Hongkong be more difficult owing to counter blockade of Chinese government in free Chinese territory adjacent to Kwangchowan.

Coconut.—Crude advanced ¼c. on strength of copra. Offerings of latter continued light. Oil inquiry better. Refined oil advanced ½c. Demand improved.

Corn.—Firmer with other oils. Quotations advanced ¼c. to ⅜c. Inquiries more numerous. Offerings light.

Cottonseed.—Edible oil firm at recent advance. Increased request for moderate lots.

Oiticica.—Occasional inquiries reported. Offerings small. Tone firm.

Olive.—Tone continued firm. Inquiries numerous. Offerings light, spot and arrival. Quotations generally nominal.

Peanut.—Stronger with competing oils. Quotations ¼c. to ⅜c. higher. Inquiry fairly active. Offerings light.

Perilla.—Quiet in absence of any increase in offerings. Quotations mainly nominal.

Rapeseed.—Refined oil in light supply. Market quiet. Tone steady.

Soybean.—More active and firmer. Quotations generally advanced ¼c. Offerings light or moderate.

There was no trading in soybean oil futures on the New York Produce Exchange from January 11 to January 17, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	...	...	5.20 bid
July	...	...	5.25 bid

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Price Changes

Advanced

Coconut oil, ¼c. to ½c. per lb.
Copra, 1-20c. per lb.
Corn oil, ¼c. to ⅜c. per lb.
Cottonseed oil, crude, ¼c. per lb.
Grease, ¼c. per lb.
Lard, 15c. to 25c. per 100 lbs.
Lard compound, 25c. per 100 lbs.
Lard oil, ¼c. per lb.
Linseed oil, 2/10c. per lb.
Menhaden oil, refined, ¼c. per lb.
Neatsfoot oil, ¼c. per lb.
Oleo oil, ⅜c. per lb.
Palm oil, ¼c. per lb.
Peanut oil, ¼c. per lb.
Sardine oil, crude, 3c. per lb.
Sardine oil, refined, ½c. per lb.
Soybean oil, ¼c. per lb.
Sperm oil, 2-10c. per lb.
Tallow, ¼c. per lb.
Tallow oil, ¼c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
116.2	**108.6**	**100.2**	**106.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Chicago, Jan. 17.—The vegetable oil market is generally firmer. Buying has been a little better.

CORN.—Crude, low acid, 6½c. to 6¾c. per pound. Refined, edible oil, 8c. to 8¼c. per pound, drums, car lots; and 8½c. to 8¾c., drums, less than car lots.

PEANUT.—Crude, South, January-forward, 5⅝c. to 5¾c. per pound.

SOYBEAN.—Crude, January-forward, 5½c. to 5¼c. per pound.

The market for soybeans on the Chicago Board of Trade was active and irregular. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing— Jan. 17.	Jan. 10.
Cash	$1.03½	$1.01	$1.02¼	....
May	1.01	.97¾	.99¾	$1.00
July	.98½	.95¾	.96¾	.97¾

Linseed Oil

Domestic flaxseed markets higher. Buenos Aires steady. Linseed oil advanced. Meal easier.

Flaxseed—DULUTH, Jan. 17.—Small receipts and good linseed oil sales have strengthened the flax market here.

The week's closing price range was as follows:—

	Cash.	May.
Saturday	$1.78	$1.71½
Monday	1.77½	1.70½
Tuesday	1.78¾	1.71¾
Wednesday	1.80¾	1.74¾
Thursday	1.83	1.76
Friday	1.82½	1.75½

Crop movement in bushels follows:—

	Receipts— 1941.	1940.	Shipments— 1941.	1940.
This week	42,962	6,275	.....	7,299
Since Aug. 1..	5,963,835	4,364,254	4,345,553	3,929,403

MINNEAPOLIS, Jan. 17.—In spite of increased receipts the local cash flax market is very strong. All crushers are competing for the daily arrivals. An elevator company showed strong interest in offers at intervals and helped to keep the market up. Hedging pressure of the past few days suggests that receipts will increase even further. Shipping advices are fairly good.

Out movement of supplies of late has not been so noticeable but elevator stocks are decreasing in spite of the liberal receipts. Loss in total during a three-day period was 5,000 bushels compared with 40,000 a year ago. Mills continue to run at top speed and stocks in public and private elevators are decreasing.

Local crushers are still absorbing the supply offered by the country and there is virtually no demand for diversion point offers to move to Duluth. Trade in futures for the past week has been good.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$1.78½	$1.71½	$1.69½
Monday	1.77½	1.70½	1.66½
Tuesday	1.78¾	1.71¼	1.67½
Wednesday	1.81¾	1.74¾	1.70
Thursday	1.83	1.76	1.72¾
Friday	1.82½	1.75½	1.72

Crop movement in bushels follows:—

	Receipts— 1941.	1940.	Shipments— 1941.	1940.
This week	127,400	28,000	14,000	42,000
Since Sept. 1..	8,207,560	2,769,600	1,554,400	1,625,430

WINNIPEG, Jan. 17.—The week's closing flaxseed price range was as follows:—

	Cash.	May.	July.
Saturday	$1.48¼	$1.51½	$1.51
Monday	1.47½	1.50¾	1.50¼
Tuesday	1.49	1.52¼	1.52
Wednesday	1.48⅞	1.52¼	1.52
Thursday	1.52⅝	1.55⅝	1.55½
Friday	1.52¼	1.55	1.53½

BUENOS AIRES, Jan. 17.—Flaxseed, February, 70¼c. per bushel. Exports this week, 558,000 bushels, including 362,000

Association Meetings:—

N. Y. Oil Trades Ass'n, Jan. 21. New York.

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Stocks in all Principal Cities

to the United States. Total since January 1, as follows:—

To—	Bushels This year.	Last year.
United States	630,000	1,504,000
United Kingdom	161,000	999,000
Continent	4,000	1,732,000
Orders	.....	.....
Others	78,000	4,000
Totals	873,000	4,259,000

Visible Supply

	Bushels.
Last week	4,331,000
Previous week	4,331,000
Last year	2,953,000

Linseed Oil.—Flaxseed prices had an upward trend in domestic markets last week and local quotations on linseed oil were advanced two points. The inquiry showed some increase though such transactions as were reported did not involve important quantities. There was a steady movement from local mills on contracts previously placed and advices from outside points also reported liberal contract withdrawals, shipments being sufficient to prevent any additions to holdings at the mills. Argentina market and crop news was of a strengthening character, the tendency of ocean freight rates still being upward and further damage to the crop being noted. Cash demand for flaxseed in Northwestern markets was good and receipts were readily absorbed by crushers and elevator concerns. Arrivals were reported at this port during the week of 320,800 bushels of flaxseed from Argentina.

MINNEAPOLIS, Jan. 17.—Buyers foresee the need of linseed oil supplies later on but with conditions so markedly unsettled they are not making fresh commitments of importance. A few fill-in car lots and tank cars are wanted for quick or nearby shipment but in view of the fact that crushers are so far behind in filling their maturing contracts it is next to impossible to buy anything, even at a premium. Prices have been going up steadily and tone of the market remains strong.

There is steady inquiry for deferred shipment oil in a small way.

Shipping instructions continue to pile up and crushers are again losing ground in taking care of them.

Quotations on carload lots, f.o.b. Minneapolis, tankcars, 8.8c. per pound; cooperage cars, 9.5c. per pound; warehouse lots, 9.9c. per pound.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	3,380,000	2,400,000
Since Sept. 1	65,280,000	60,940,000

Cake and Meal.—Meal more active, sales being reported for January-February shipment at $25 per ton. Cake nominal.

MINNEAPOLIS, Jan. 17.—Interest of linseed crushers at the moment is not in making fresh sales of meal but in filling old contracts. There is some inquiry for fresh supplies that cannot be taken care of by the crushers and re-sellers are very firm in their views as to value.

Quotations on carload lots, f.o.b. Minneapolis, 100-pound sacks, $29.50 to $30 per ton.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	11,120,000	5,120,000
Since Sept. 1	165,231,000	95,920,000

Cottonseed Oil

Refined cottonseed oil futures irregular. Southern markets for cottonseed products generally firm.

Cottonseed Oil.—The market here for refined cottonseed oil futures was irregular last week, although a new high level was reached at one time on commission house buying, support from local traders and covering of shorts. There was a disposition among not a few to liquidate on advances, however, and await further developments after the recent sharp rise. Much of the floating short interest appeared to some to have been eliminated. There was apparently more or less selling for a turn on the short side, although pressure was not of an aggressive character in view of the strength of many other oils and fats. Moreover, hog prices rose sharply owing to a decided drop in marketing, values rising to the highest point recorded in about a year and a half.

Additional tenders on January cottonseed oil contracts brought the total for the month thus far up to 30. There was switching from near to distant positions, January being switched to July at 15 to 17 points difference. March was switched to July at 20 points difference; May to July at 11 points. The open interest in the market on January 14 was 2,772 contracts.

The monthly Census Bureau report was disappointing to some, the indicated consumption of refined oil during January being 276,102 barrels. This compared with 285,655 barrels in the previous month. In December, 1939, consumption was 231,074 barrels. The visible supply showed an increase during the month of equal to 213,800 barrels of refined oil against an increase of 161,200 barrels in the previous year. The total visible at the close of December was 2,481,900 barrels against 2,636,000 in the previous year.

Southern markets for crude cottonseed oil were ⅛c. to ¼c. higher. Seed continued to command high prices and offerings of oil was generally light. Copra and coconut oil as well as soybean, corn and peanut oils were higher. Sales of tallow were reported at a further advance. Stocks of lard in Chicago increased only 1,345,370 pounds during the first half of January, which compared with a gain of more than 19,000,000 pounds in the same time last year. Lard stocks in that market January 15 were 187,166,569 pounds against 104,654,554 pounds last year. Receipts of hogs in the principal western markets for four days of the week aggregated 248,500 head against 399,900 head in the same time last year. The weight of the hogs received in Chicago during the week ended January 11 averaged 231 pounds against 235 pounds in the previous week.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from January 11 to January 17, inclusive, comprised 718 contracts, a total of 43,080,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	6.78	6.78	6.78 sale
March	6.75	6.53	6.56@6.58
May	6.85	6.57	6.64@6.65
July	6.95	6.66	6.75@6.76
September	6.80	6.80	6.80@6.80

Crude, Southeast, .05½c. Nom.

Chicago, Jan. 17.—Cottonseed oil is showing a somewhat better tone, and movement is reported better. Refined, edible oil, 7½c. to 8c. per pound, drums, car lots; and 8¼c. to 8½c., drums, less than car lots.

Cake and Meal.—A generally firm tone continued to prevail in Southern markets. Interest in meal showed an increase.

Markets at Other Centers

Atlanta, Jan. 15.—Prime crude cottonseed oil, 5⅝c. per pound. Eight percent cottonseed meal, $30 to $30.50 per ton.

Memphis, Jan. 16.—Crude cottonseed oil quieter. Last sales at 5⅝c. per pound, Valley basis. Cottonseed meal, 41 percent, $28.50 per ton, Memphis basis. Bulk cake, $26 per ton, Valley basis. Bulk hulls, $7 per ton, Memphis basis. Cottonseed, $30 per ton at gin points. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Jan. 9.	Jan. 16.
January	$28.70@28.85	$27.00@27.40
March	27.70@27.80	26.50@26.85
May	27.10@27.25	26.05@26.50
July	26.55@26.80	25.55@25.85
September	25.75@26.50	24.75@25.50

Closing soybean meal futures:—

January	$25.25@25.85	$24.50@25.10
March	25.45@25.90	24.75@25.25
May	25.75@—	24.75@25.25
July	25.50@—	24.50@25.00

Fatty Acids

Capric Acid.—Quotations maintained at former levels. Market tone firm. Demand fair.

Caproic Acid. — Steady movement into local and other consuming channels.

Castor Oil.—Market firm. Steady contract movement. New business better.

Coconut Oil.—Strength of basic material reflected in improved inquiry from consumers.

Cottonseed Oil.—Firm at recent advance. Buying stimulated by strength of crude.

Lauric Acid.—Increased request for moderate quantities. Market firm.

Linseed Oil.—Consumption reported on increase. Tone continued firm.

Palm Oil.—Demand for moderate lots somewhat more active.

Red Oil.—Firm at recent advance. Increased movement to local and other consumers.

Soybean.—Strength of raw material reflected in increased demand.

Stearic Acid.—Tone firm. Steady contract movement. New business improved.

Chicago—Jan. 17

Better buying and a firmer tone are reported in the fatty acids market.

RED OIL.—Distilled or saponified, tanks, 6¾c. per pound.

STEARIC ACID.—Distilled, single press, 9½c. to 10½c. per pound; double press, 10c. to 11c.; triple press, 12¾c. to 13¾c.

OTHER FATTY ACIDS.—Corn oil, double distilled, 8¼c. to 8½c. per pound, tankcar; coconut oil, acidulated, 9¼c. to 9½c. per pound, tankcar; cottonseed oil, double distilled, 7c. to 7¼c. per pound, tankcar; settled cottonseed soap stock, 60-62 percent basis, 2½c. to 2¾c.; boiled down soap stock, 65 percent basis, 3½c. to 3¾c.; cottonseed foots, 50 percent basis, 1⅞c. to 1½c.

Fish Oils

Cod.—Newfoundland oil quiet here in absence of primary offerings. Imports in November, 60,140 gallons.

Menhaden.—Local refined quotations advanced two and one-half points. Fair small-lot inquiry.

Sardine.—Crude reported stronger on Coast. Local refined prices up two and one-half points. Trade quiet.

Sperm.—Quotations advanced two points. Fair demand for moderate lots.

Whale.—Consumers purchasing for current needs only. Market firm.

Markets at Other Centers

Baltimore, Jan. 15.—Crude menhaden oil quiet. Fishing continues poor and sellers are not disposed to offer the limited unsold supplies at previous quotations, with competing products in upward trend.

Fats and Greases

Grease.—Offerings light and tone firm. Fair request for moderate lots. Sales at ¼c. advance.

CHICAGO, Jan. 17. — Choice white grease, 4¾c. to 5c. per pound; yellow, 4c. to 4½c.; brown, 4⅛c. to 4¼c.

Lard.—Local cash trade somewhat more active. Market firm. Hog receipts smaller and price trend upward.

CHICAGO, Jan. 17.—Following is a lard record, per 100 pounds, for the week:—

	High.	Low.	Closing— Jan. 17.	Jan. 10.
Cash	$5.35	$5.22	$5.35	$5.22
May	7.00	6.62	6.86	6.67
July	7.17	6.82	7.00	6.87

Stearin.—Increased inquiry reported. Offerings continued light. Market firm.

CHICAGO, Jan. 17.—Prime oleo stearin, 6c. to 6¼c. per pound; lard stearin, 6¼c. to 6½c.

Tallow.—Offerings continued light. Tone firmer. Sales at ¼c. advance.

CHICAGO, Jan. 17.—Edible tallow, 5c. to 5⅛c. per pound; prime, 4⅞c. to 5⅛c.; special, 4½c. to 4¾c.

Trading in tallow futures (new contracts) on the New York Produce Exchange from January 11 to January 17, inclusive, comprised 3 contracts, a total of 180,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	5.70	5.70	5.65@5.80
June	5.80	5.75	5.70@5.80

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PHILADELPHIA, PA.

Animal Oils

Degras.—Increased inquiry from local and other buyers. Market steady.

Lard.—Stronger with basic material. Quotations advanced ¼c. Trade better.

CHICAGO, Jan. 17.—No. 1 lard oil, 7¾c. to 8c. per pound.

Neatsfoot.—Trade in moderate lots fairly active. Some grades up ¼c.

Oleo.—Quotations advanced ⅜c. Inquiry more active. Spot stocks reported light.

CHICAGO, Jan. 17.—Extra oleo oil, 7¼c. to 7½c. per pound.

Tallow.—Firmer with raw material. Prices up ¼c. Fair demand.

CHICAGO, Jan. 17.—Acidless tallow oil, 7¼c. to 7½c. per pound.

Waxes

Bayberry.—Steady. Not very active.

Bees.—Firm to strong. Demand good for manufactured products. Crude wax held firmly all primary markets.

Candelilla.—Consumption reported expanded by strong position and cost of carnauba wax.

Carnauba.—Tending higher. All markets strong. Low supply of spot grades noted. Sellers in command of situation. Competition dwindling locally.

Japan.—Steady to firm. No exceptional activity.

Cottonseed Crushings Off

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out and held from August 1 to December 31, 1940 and 1939, according to the Census Bureau, were as follows:—

Cottonseed

	Tons	
	1940.	1939.
Receipts	3,553,182	3,581,713
Crushed	2,316,980	2,536,934
On hand, Dec. 31	1,275,709	1,165,405

Crude Oil

	Pounds	
	1940.	1939.
Produced	737,717,158	789,468,443
Shippped	657,802,088	775,232,708
On hand, Dec. 31	176,626,136	181,800,740

Refined Oil

	Pounds	
	1940.	1939.
Produced	541,737,871	633,277,540
Shipped	.....	.....
On hand, Dec. 31	458,335,292	553,701,755

Cake and Meal

	Tons	
	1940.	1939.
Produced	1,030,026	1,137,074
Shipped	933,827	1,037,380
On hand, Dec. 31	175,700	219,412

Hulls

	Tons	
	1940.	1939.
Produced	576,789	643,644
Shipped	425,533	553,105
On hand, Dec. 31	172,170	167,625

Linters

	Bales	
	1940.	1939.
Produced	611,415	628,750
Shipped	515,359	763,717
On hand, Dec. 31	225,398	344,349

***Exports**

	1940.	1939.
Crude oil, lbs.	157,986	3,087,471
Refined oil, lbs.	3,939,246	5,858,681
Cake and meal, tons	475	5,731
Linters, bales	11,429	108,130

***Imports**

	1940.	1939.
Crude oil, lbs.	.....	.....
Refined oil, lbs.	3,273,888	3,457,789
Cake and meal, tons	13,011	326
Linters, bales	57,962	20,283

* Four months ended November 30.

Cottonseed Industry Story Told in Revised Booklet

The cottonseed industry, its history, functioning, and products, are described in a revised edition of the volume entitled "Cottonseed and Its Products," recently published by the National Cottonseed Products Association. Profusely illustrated, the work comprises an interesting narration of the American cotton industry. A copy of the new edition may be secured by communicating with the National Cottonseed Products Association, 731 Sterick Building, Memphis, Tenn., mentioning the REPORTER.

Margarin Production Decreased In November

Production of margarin in November totaled 30,002,029 pounds. This compared with 30,160,073 pounds in October and 27,885,910 pounds in November, last year, according to statistics compiled by the Bureau of Internal Revenue, Washington. A comparison of November production with that of last year follows:—

	Pounds—November	
	1940.	1939.
Production of uncolored oleomargarin	*29,724,028	†27,743,186
Withdrawn tax-paid	30,820,646	27,689,512

Ingredients used in the production of colored and uncolored margarin in November, 1940, compared with November, 1939, as follows:—

In Uncolored Margarin

	Pounds—November	
	1940.	1939.
Babassu oil	55,550	1,057,357
Coconut oil	1,564,411	2,108,369
Corn oil	16,321	34,171
Cottonseed oil	10,889,014	9,083,122
Derivative of glycerin	66,323	71,858
Lecithin	10,413	7,097
Milk	5,494,772	5,307,196
Monostearin	18,529	.....
Neutral lard	400,690	115,957
Oleo oil	1,321,896	730,704
Oleo stearin	262,757	227,795
Oleo stock	102,890	84,130
Peanut oil	157,051	200,828
Salt	1,101,177	1,201,100
Soda benzoate	10,692	10,503
Soybean oil	9,186,556	8,039,038
Soybean stearin	200	.....
Vitamin concentrate	1,086	1,690
Totals	30,660,337	28,880,915
Production of colored oleomargarin	‡278,001	§142,724
Withdrawn tax-paid	33,780	29,248

In Colored Margarin

	Pounds—November	
	1940.	1939.
Butter flavor	2	.....
Coconut oil	99,846	45,243
Color	268	164
Corn oil	18	25
Cottonseed oil	19,282	17,602
Cottonseed stearin	60	855
Derivative of glycerin	324	354
Lecithin	81	53
Milk	49,828	29,503
Monostearin	397	.....
Neutral lard	5,126	3,752
Oleo oil	23,422	14,241
Oleo stearin	575	450
Oleo stock	3,800	1,310
Peanut oil	67	301
Salt	18,248	8,456
Soda benzoate	98	47
Soybean oil	70,638	35,037
Soybean stearin	480	.....
Vitamin concentrate	2	3
Totals	292,562	157,398

* Of the amount produced, 16,546 pounds were reworked.
† Of the amount produced, 27,029 pounds were reworked.
‡ Of the amount produced, 2,528 pounds were reworked.
§ Of the amount produced, 128 pounds were reworked.

Soap Exports Reported

United States exports of various sorts of soaps during November, as reported by the Bureau of Foreign and Domestic Commerce, follows:—

	Pounds.	Value.
Medicated	37,915	$10,653
Toilet or fancy	496,175	85,396
Laundry	1,363,869	64,279
Powdered or flaked	107,294	9,959
Shaving creams	19,378	10,861
Shaving cakes, powders, and sticks	5,285	1,915
Shaving soaps, bricks, pastes and powders	248,999	19,620
Other soap	68,315	8,442

Alcohol-Gasoline Fuel History and Costs Studied

The use in gasoline of alcohol made from farm products is discussed in a volume entitled "Power Alcohol, History and Analysis" recently issued by the American Petroleum Institute. According to the study it is declared that even cheaply priced farm products cannot be processed into alcohol for less than five or six times the cost of gasoline. The report also states that the claim that technical advantages of alcohol-gasoline fuels justify their cost is not supported by facts. A copy of the volume may be secured by addressing the committee on motor fuels of the American Petroleum Institute, 600 South Michigan avenue, Chicago, Ill., mentioning the REPORTER.

C. M. Merritt, of the Wittemore-Wright Company, tanners oils, Charleston, Mass., was a visitor to local oil trade circles last week.

SUN BLEACHED
Beehive Brand BEESWAX
• Finest Quality
• Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E 1 Syracuse, N. Y.
Established 1855
Spermaceti Cerasine Red Oil Glycerine Stearic Acid
WARRANTED PURE BEES WAX

What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Three-hundred-sixty-first Instalment

Petroleum

(Continued from January 13 issue)

Chlorinating Agent in Purifying Petroleum Products

Sodium hypochlorite

Emulsion - Breakers for Petroleum

Diatomaceous earth
Infusorial earth
Kaolin
Kieselguhr
Rosin
Sulphoabietonic acid
Visco

Extractants Used in Refining Petroleum Lubricating Oils

Acetal
Acetic acid
Acetic anhyride
Acetone
Acetonitride
Acetophenone
Acetylacetone
Acetylene hologen derivatives
Alcohols
Allyl alcohol
Alphanapthyl cyanide
Alphapicolin
Amyl acetate
Amyl alcohol
Amylene
Anethole
Anilin
Anisole
Ansol B
Benzoldehyde
Benzyl chloride
Bromobenzene
Bromotoluene
Butanol
Butyl acetate
Butyl propionate
Butylcarbitol
Butylcellosolve
Butyric acid
Carbitol
Carbitol dioxide
Carbon bisulphide
Cellosolve
Cellosolve acetate
Chlorhydrin
Chloroacetone
Chlorobenzene
Cineol
Cinnamaldehyde
Cresylic acid
Cyclohexanol
Cyclohexanone
Cymanol
Decalin
Dibromobenzene
Dibutyl phthalate
Dichlorohydrin
Dichloroacetic acid
Dichlorobenzene
Dichloroethyl ether
2:4-Dichlorophenol
Diethyl carbonate
Diethyl ether
Diethyl sulphate
Diethylanilin
Diethylene oxide
Diethyleneglycol
Diethyleneglycol butyl-ether
Diethyleneglycol mono-acetate
Di-isopropyl ether
Dimethyl phthalate
Dimethyl sulphate
Dimethylanilin
2:4-Dinitrochlorobenzene
Dioxan
Diphenyl ether
Epichlorohydrin
Ethanol
Ethers
Ethyl acetate
Ethyl acetoacetate
Ethyl ether
Ethyl isothiocyanate
Ethyl thioclanate
2-Ethylbutanol
2-Ethylbutyl acetate
Ethylene chloride
Ethylene cyanide
Ethylene dibromide
Ethylene dichloride
Ethylene oxide
Ethylenechlorhydrin
Ethylenediamine
Ethyleneglycol
Ethyleneglycol butyl-ether
Ethyleneglycol diethyl-ether
Ethyleneglycol ethyl-ether
Ethyleneglycol isoamyl-ether
Ethyleneglycol isobutyl-ether
Ethyleneglycol isopropylether
Ethyleneglycol methyl-ether
Ethyleneglycol mono-acetate
Ethyleneglycol mono-ethylether
Ethyleneglycol mono-ethylether acetate
Ethyleneglycol propyl-ether
Eugenol
Formanilide
Furfural
Furfuryl alcohol
Glycerin
Glycerin halogen derivatives
Glycerolmonohydrin
Glycol
Glycol diacetate
Glycol monoacetate
Glycolether acetate
Hexachlorobenzene
Hexalin
Hexanol, normal
Isoamyl acetate
Isobutylethyl ketone
Isopropanol
Isopropyl acetate
Isopropyl ether
Levulinic acid
Limonene
Maleic anhydride
Metacresol
Metadinitrobenzene
Metanitrochlorobenzene
Metaxylene
Methanol
Methyl acetate
Methyl formate
Methyl isothiocyanate
Methyl nitrate
Methyl thiocyanate
Methylamyl acetate
Methylamyl alcohol
Methyl-N-amyl ketone
Methylanilin
Methylcarbonil
Methylcellosolve
Methylcyclohexanol
Methylcyclohexanone
Methyldiphenylcyclo-hexane
Methylethyl ketone
Methylhexalin
2-Methylpropanol
Naphtha products
Naphthyl cyanide
Nitrobenzene
Nitromethane
Octyl acetate
Octyl alcohol
Oleic acid
Orthoaminophenol
Orthocresol
Orthonitroanisole
Orthonitrotoluene
Para-anisaldehyde
Paracresol
Paradibromobenzene
Paradichlorobenzene
Paraldehyde
Pentasol
Phenol
Phenyl isothiocyanate
Phenylhydrazin
Phenylmethanol
Phosphorus tribromide
Propanol
Propionic acid
Propylene dichloride
Propylene oxide
Propyleneglycol
Propyleneglycol methyl-ether
Pyridin
Quinolin
Salicylaldehyde
Sulphur dioxide
Sulphur dioxide in acetone
Sulphur monochloride
Tetrachloroethane
Tetrochloroethylene
Tetraethyleneglycol
Tetraethyleneglycol ethylether
Tetralin
Toluene
Trichloroethylene
Triclene
Triethyleneglycol
Triethyleneglycol ethyl-ether
Xylidin

Filtering Agents for Decolorizing Petroleum Products

Activated carbon
Activated fuller's earth
Actolite
Aluminum hydrate
Aluminum sulphate
Animal charcoal
Asbestos
Beidellite
Bentonite
Boneblack
Boneblack, spent
Calcium carbonate
Calcium phosphate
Carborundum
Cellulose
Cellulose acetate
Charcoal
Cheesecloth
Clay
Clay, burnt
Clay, deflocculated
Clearit
Cotton, absorbent
Darco
Dextrin
Diafilt
Diatomaceous earth
Feldspar
Felt
Filtrol
Filtros
Fluedust
Fossel flour
Fossilite
Fullerol
Fuller's earth
Glass wool
Graphite
Kaolin
Kieselguhr
Magnesite
Magnesium carbonate
Magnesium oxide
Magnesium silicate
Montmorillonite
Muslin
Naphtha
Neutrol
Nitrocellulose
Nonsilite
Norit
Nuchar
Paper pulp
Percale
Percolite
Reactolite
Sand, white
Sicapon
Silicates
Silicon carbide
Suchar
Super-filchar
Talc
Tripoli

(To be continued)

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PURE

Ascorbic Acid Merck conforms to all tests for identity and purity of Ascorbic Acid U. S. P.

POTENT

One gram is approximately equivalent in vitamin C activity to 2,000 cc. of fresh orange or lemon juice, thus providing extreme potency with minimum bulk.

WHITE

Its brilliant white color is a distinct asset in the manufacture of straight vitamin C tablets, or combinations in which a clear white color is essential.

STABLE

If kept dry, crystalline Ascorbic Acid is most stable. Ascorbic Acid Merck therefore finds wide application in capsules where oil serves as the vehicle for vitamin mixtures.

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The relatively low cost of Ascorbic Acid Merck permits its use in a variety of pharmaceutical products.

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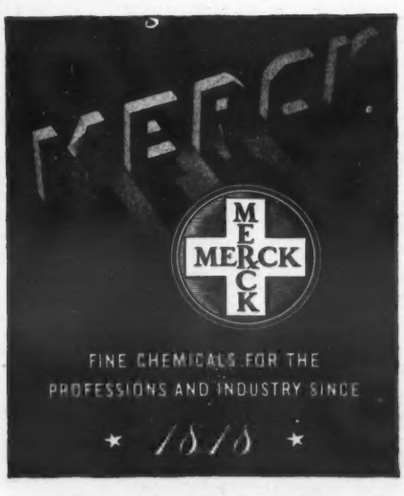
Ascorbic Acid Merck is accepted by the Council on Pharmacy and Chemistry of the American Medical Association.

There is undoubtedly an increasing demand on the part of the medical profession for vitamin C preparations of merit. Through the use of Ascorbic Acid Merck you can meet a substantial portion of this demand.

Our Chemical Service Department will welcome inquiries concerning the use of Ascorbic Acid Merck in your preparations. A brochure on the subject of vitamin C will be sent upon request.



MERCK & CO. Inc. *Manufacturing Chemists* RAHWAY, N. J.
New York • Philadelphia • St. Louis • *In Canada:* MERCK & CO. Ltd., Montreal and Toronto

Drugs, Fine Chemicals

Sharp Rise in Domestic Synthetic and Chinese Natural Menthol —Little Japanese Available — U. S. Seeks Mexican Quicksilver — All Tartar Products Strong

Demand for drugs and fine chemicals was excellent throughout the past week. Basic strength in practically all raw materials contributed to the maintenance of prices on a firm basis. Absence of normal reserves in many instances kept offerings of finished products down to limits often precluding acceptance of orders save those from regular manufacturing consumers.

Developments in the quicksilver market swung to Mexico. Reports from Mexico City stated that the United States embassy had advertised in Mexican newspapers that sellers of quicksilver might make their offerings direct to the procurement division of the Treasury Department at Washington. These Mexican reports were neither confirmed nor denied in official government circles in Washington. The reports further suggested that important quantities of Mexican metal had been moving to Germany via Siberian ports and the Trans-Siberian railway. It was also intimated that the embassy advertisements were intended to reduce, possibly eliminate this traffic.

Tartar products showed even more strength than in recent weeks. The situation in raw material alone was sufficient to keep production costs high, deliveries conservative, and sales down to a volume in line with the actual requirements of regular customers of the domestic producers. This latter was more especially true as concerned tartaric acid. Caffeine was not being sold by the producers to other than regular customers and then only under conditions that attempted to keep deliveries down to actual manufacturing needs.

Acetanilide.—Good demand undergoing some enlargement.

Acid, Ascorbic.—Excellent movement. Demand has rising tendency.

Acid, Benzoic. — Routine activity. Steady prices.

Acid, Boric.—Substantial movement at stabilized prices.

Acid, Citric.—Stable and down to seasonal demand.

Acid, Hydriodic.—Steady in keeping with stable position raw material. Ample supplies.

Acid, Hypophosphorus.—Normal activity in very steady market.

Acid, Mandelic.—Deliveries prompt. Interest shows normal gain.

Acid, Nicotinic.—Widening market noted. Price trend favors buyers.

Acid, Phosphoric.—Call about normal. Price stability the feature.

Acid, Pyrogallic.—Interest sustained at normal limits. Firm.

Acid, Salicylic.—Good inquiry. Sales at normal volume.

Acid, Tannic.—Firm. Moving steadily. No unsettlement in sight.

Acid, Tartaric. — Advance easily maintained. Stocks small for sales to other than regular customers of producers. Those with imported acid could command sharp price premium over home makers' schedule.

Agar.—Steady to firm. Moving fairly well. Maintained at source.

Alcohol.—Call tends to broaden. Normal expansion of sales tied to widening of general industrial activity. Prices firm to stronger.

Ammonia Bromide.—Demand sustained at satisfactory levels.

Ammonia Citrate.—Routine demand reaching normal sales volume.

Ammonia Phosphate. — Excellent movement N. F. article. Firm undertones.

Amyl Acetate.—Fusel oil and pentane items very steady.

Arecoline.—None too ample supply in some quarters. Price firm.

Bismuth Metal and Salts—New business at normal volume. Firm market.

Borax.—Signs point to excellent consumption first six months.

Cadmium.—Firm. In excellent demand. Sellers somewhat reserved.

Caffeine.—Strong. Ready market for every pound produced. Uncontrolled stocks command high price in open market.

Price Changes

Advanced

Menthol, domestic synthetic, 40c. per lb. Chinese natural, 15c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
205.9	**205.9**	**204.1**	**196.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Calcium Gluconate. — Normal and well sustained activity.

Calcium Sulphocarbolate.—Steady to firm under better request.

Castor Oil.—Prices seem steady. Demand good. Excellent for dehydrated item.

CHICAGO, Jan. 15.—Castor oil prices are:—Cold pressed, U.S.P., barrels, car lots, 10⅝c. per pound; barrels, less than car lots, 11⅜c.; returnable drums, car lots, 10⅜c.; drums, less than car lots, 11⅛c.; tanks, 9⅞c.; extracted, No. 3, barrels, car lots, 10⅛c.; barrels, less than car lots, 10⅞c.; returnable drums, car lots, 9c.; drums, less than car lots, 10⅜c.; tanks, 9⅜c.

Chrysarobin.—Conservative lots are available. Limited demand.

Codeine.—Health conditions give rise to normal increase in consumption of sulphate. Steady sustained market.

Codliver Oil.—Firm at recent prices. Imports, in November, 1940, by source of origin, were as follows:—

	Gallons.
Denmark	26,043
Iceland	94,103
United Kingdom	5,272
Canada	6,368
Miquelon and St. Pierre Islands	288
Japan	39,115
Total	171,189

Collodion.—Routine, steady, and entirely normal activity.

Corn Syrup.—Present prices to prevail to January 31 on November 29 bookings. Orders must specify delivery by January 31.

Cream of Tartar.—Strong. Advance fully sustained. Further price rise would not surprise.

Creosote.—Demand more active from some parts of country. Very firm market in best season of year.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Fed. Wholesale Druggists, Feb. 4-6, New York.
Amer. Drug Mfers. Ass'n, May 5-8, White Sulphur Sprs.
Proprietary Ass'n, May 12-14, New York.
Purchasing Agents Ass'n, May 26-29, Chicago.

Specify HEYDEN

Salicylates

SODIUM SALICYLATE U.S.P.
Large Crystals • Flo-Crystals • Powder
Highly Purified • Fine White Color
Completely Soluble

These three types meet the diverse requirements of the trade.

METHYL SALICYLATE U.S.P.

ACETYLSALICYLIC ACID U.S.P.
Crystals and Powder

ACETYLSALICYLIC ACID
10-16-20% Starch Granulations

SALICYLIC ACID U.S.P.
Pure Crystals and Powder

AMMONIUM SALICYLATE U.S.P.
Crystals

CALCIUM SALICYLATE
Powder

LITHIUM SALICYLATE N.F.
Powder

MAGNESIUM SALICYLATE
Powder

SALOL U.S.P. (Phenyl Salicylate)
Granular

STRONTIUM SALICYLATE N.F.
Powder

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Chemical Corporation
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CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
Also other grades—Stocks in principal cities
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205 East 42nd Street, New York City

VITAMIN PRODUCTS
FISH LIVER OILS
ATLANTIC COAST FISHERIES CORP. OF N. Y.
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AMMONIUM CHLORIDE U.S.P.
AMMONIUM SULPHATE PURIFIED
POTASSIUM CHLORIDE N.F.
POTASSIUM SULPHATE N.F.
SODIUM CHLORIDE C.P.
SCHUYLKILL CHEMICAL COMPANY
2346-2354 Sedgley Avenue - - - Philadelphia, Pa.

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QUALITY STANDARD THE WORLD OVER SINCE 1883
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BETA LACTOSE IMPALPABLE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
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Powdered ½ oz. and 1 oz. tablets
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CHICAGO BRANCH: 561 E. ILLINOIS STREET
CABLE ADDRESS: "CELAITCH"

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

Ephedrine.—Fair activity in both hemihydrate and anhydrous items. Some seasonal stimulation of interest.

Epsom Salt.—Steady to firm under normal consumption.

Formaldehyde. — Resellers indicate some gain in jobbing orders. Producers' output moving well against contracts.

Glycerin.—Firm. Volume fully level with call in recent weeks. Prices firm to point indicating substantial stability.

CHICAGO, Jan. 15.—Glycerin prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums, car lots; 13c., drums, less than car lots; high gravity, 11¾c. per pound, tanks; 12c., drums, car lots; 12½c., drums, less than car lots.

Hexamethylenetetramine. — Very good activity among distributors. Producers' output moving steadily against contracts.

Iodine and Iodides.—Reserves of raw material proving adequate. Demand for iodides conform to seasonal volume. Undertones steady.

Iron Acetate.—Movement N.F. goods up to expectations. Prices steady.

Iron Chloride.—Normal call for the U.S.P. Prices steady to firm. Stocks in fair reserve.

Magnesia.—Steady, substantially stable prices. Volume good.

Menthol. — Domestic synthetic advanced to $3.65 per pound. Chinese natural raised to $3.75 to $3.85 per pound as stocks shrink. Little Japanese natural available.

Mercurials.—Steady. Reflect similar position in raw material. Transactions about normal in volume. No shading of values.

Methanol. — Outlook favors rising consumption within moderate limits. No signs yet of price action for second quarter deliveries.

Phenolphthalein.—Steady absorption of offerings. Market undertones steady.

Podophyllin. — Adequate stocks of raw material apparently assure steady, sustained prices on derived material.

Potash Bicarbonate.—U.S.P. crystals and granular items steady. Normal buyer interest displayed.

Potash Guaiacolsulphonate. — Seasonal activity raises sales in some quarters. All report steady to firm prices.

Quicksilver. — Spot steady to firm. Fair, but not expansive local activity. United States Embassy reported posting notice in Mexican newspapers to effect that offers of mercury for sale could be forwarded directly to procurement division of United States Treasury Department, according to Mexico City advices. Press dispatches intimate intent to prevent Mexican metal reaching Germany.

Quinine.—Firm in all respects. Moving in quantities sufficient to meet all legitimate home requirements.

Rochelle Salt. — Advance readily maintained. Total lack of competition. Continued price rise seems likely. Depends on raw material developments.

Saccharin. — Home demand met. Some export interest reported among export brokers.

Salicin. — Firm sustained prices. Moderate, steady demand.

Salol. — Complete price stability noted. All needs being met.

Seidlitz Mixture.—Prices were advanced to 25½c. per pound minimum in previous week. That price covers quantity of 5,000 pounds, one delivery. Smaller quantities, 26c.; kegs, ½c. more. Regular terms prevail.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26¾	34⅝	23⅛
Monday	26¾	34⅝	23⅛
Tuesday	26¾	34⅝	23⅛
Wednesday	26¾	34⅝	23⅛
Thursday	26¾	34⅝	23⅛
Friday	26¾	34⅝	23⅛

Soda Benzoate.—Steady. Movement about normal. Outlook favorable.

Soda Bicarbonate.—U.S.P. consumption running to normal expectations.

Soda Bromide.—Seasonal requirements keep sales to seasonal volume.

Soda Cacodylate. — No offerings noted. Market believed bare.

—*Continued on page 49*

APEX CHEMICAL CO., Inc.
Manufacturers Since 1910
225 West 34th Street, New York City
Factory—Elizabethport, N. J.
TARTAR EMETIC
Substitutes
LACTIC ACID
All Grades including U. S. P.
SOLUBLE OILS
Also Sealers, Fillers, Lactates, Flameproof Powders, Water Repellents, etc.
Write for details and samples

AGAR AGAR (JAP GELATIN)
All grades
CONSUMERS IMPORT CO., INC., 342 Madison Ave., NEW YORK
Phone: VAnderbilt 6-5722-3-4 Cable address: PUREFOOD NEW YORK—All codes

TARTARS
NEUBERG CHEMICAL CORPORATION
441 LEXINGTON AVENUE MUrray Hill 6-1990 NEW YORK, N.Y.

Available the services of a MODERN CHEMICAL PLANT, with facilities for synthesis of organic chemicals according to your processes. Equipment for reactions, distillation, crystallization, purification, etc. Your inquiry is invited. Address, Sparrow Advertising Agency, Inc., 700 Farley Building, Birmingham, Alabama.

THREE ELEPHANT
BORAX
AND
BORIC ACID
Purity Guaranteed Over 99.5%

The AMERICAN POTASH & CHEMICAL CORPORATION
TRONA
70 Pine Street New York
Stocks carried in principal cities in the United States and Canada
TRONA
MURIATE OF POTASH
A 95-98% Agricultural Grade
A Special Grade for Manufacturers of Industrial Chemicals

President Percy C. Magnus Cuts the Banquet Cake

Talmadge B. Tribble (left), general manager in the Midwestern area, and Lee Wainwright (right), Texas representative, waitingly watch this event in the annual sales meeting of Magnus, Mabee & Reynard, Inc., which was held January 3 to 6 in the Hotel Warwick, this city. Representatives of the company from all parts of the United States and Canada, also some from Mexico and Central America, attended the meeting. Features included exhibits of products flavored or aromatized with M. M. & R. essential oils or aromatic chemicals, and symposiums covering recent technical developments in the preparation and use of these materials.

Drugs, Fine Chemicals

—*Continued from page 48*

Soda Citrate.—Fair, but not expansive movement into consumption.

Soda Phosphate. — U.S.P. very steady. Reserves indicate protection of probable needs.

Sparteine Sulphate. — Holders not pressing sales keenly. Firm.

Strychnine.—Some concern probable volume demand for agricultural areas as 1941 crops get underway. Market very firm.

Sulfanilamide. — Production moves well. No important stock surplus.

Ludwig Schiff, formerly president of the Western Wholesale Drug Company, Los Angeles, is the representative of chemicals and drugs on the "Committee for the Forties" recently created to promote the Los Angeles Chamber of Commerce.

ROBINSON WAGNER CO.
MANUFACTURERS OF
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PHARMACEUTICAL
COSMETIC TECHNICAL
WOOLGREASE
REFINED NEUTRALS
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Collapsible TUBES
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Send for samples, prices and free catalog, just off the press, containing much information of practical value to manufacturers using Tubes, Shells, (one-shot application tubes) Can Spouts and Applicator Pipes in merchandising their products. Standard has 40 years' experience in designing these products to meet special needs, for America's most successful manufacturers of fluid and semi-fluid products.
STANDARD SPECIALTY & TUBE CO.
New Brighton, Pa.

Proprietary Medicine Exports Reported for November

Proprietary medicines exported from the United States during November have been tabulated by the Bureau of Foreign and Domestic Commerce. The value of the various classes of products exported in November was as follows:—

Classification.	Value.
Mouth washes and gargles	$22,262
Corn and foot remedies	6,196
Plasters	28,648
Liniments	5,712
Salves for burns, cuts and skin diseases	35,553
Salves for coughs, colds and catarrh	58,040
Cold, cough and bronchial preparations	55,282
Catarrh, asthma, and hay fever preparations	11,135
Malaria and chill preparations	7,639
Tonics and blood purifiers	145,736
Laxatives and purgatives	58,423
Milk of Magnesia	21,221
Digestive preparations	16,874
Headache, neuralgia, and pain remedies	49,015
Other proprietary medicinals	221,608

McCormick & Co. Names Settle Vice-President

Baltimore, Jan. 13, 1941

Norman C. Settle, for twenty years associated with McCormick & Co., Inc., manufacturer of insecticides, extracts and other specialties, this city, has been named vice-president of the company. The company has also elected a board of managers composed of E. K. Crone, Washington, D. C.; R. H. Randall, New York; C. E. McSwain, Little Rock, Ark.; H. H. Meyer, Knoxville, Tenn.; F. C. Norman, Northern New Jersey, and R. L. Irwin, Houston, Tex.

Mass. Barbituric Acid Law Amendment Offered

A bill to amend the barbituric acid law of the State of Massachusetts has been referred to the committee on public health in the house. The proposed amendment follows:—

No person shall sell, furnish, give or deliver any amidopyrine, cinchophen, barbituric acid or derivatives of these substances, except upon prescription of a physician, dentist or veterinarian registered under the laws of the state where he resides, or an incorporated hospital, college or scientific institution through its superintendent or official in charge.

McK.&R. Sale of Isdahl Stock Hearing January 22

Federal Judge Coxe has set January 22 for a hearing on petition of W. J. Wardall, trustee of McKesson & Robbins, Inc., for permission to sell outstanding stock of Isdahl A/S, a wholly-owned foreign subsidiary, for $67,227.

McCambridge & McCambridge Keeps Office in Washington

A statement herein last week was incorrect that the McCambridge & McCambridge Company, pharmaceutical manufacturer, Washington, was moving its main offices to Baltimore. The company's headquarters will stay in Washington. It is expanding manufacturing operations in Baltimore.

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YELLOW DISTILLED
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DYNAMITE
REFINERIES LOCATED AT
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R.W. Greeff & Co. Inc. RWG New York, U.S.A.

Heading for Penick!

BOTANICAL DRUGS still find their way to Penick from every quarter of the globe, despite present difficulties.

As rapidly as the "bottling up" of regular sources of supply can be anticipated, Penick's purchasing staff bends every effort to locate and develop new ones. This relentless promotion has kept a fairly steady flow of botanical cargo coming into the Penick warehouses.

Buyers have been surprised to find Penick able to supply stock of certain items generally believed to be unobtainable. Many more buyers, consequently, have turned to Penick as their "primary source of supply for botanical raw materials."

"PENICK" — means everything in Botanical Drugs

S. B. PENICK & COMPANY

132 Nassau Street, New York, N. Y. **735 W. Division St., Chicago, Ill.**

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

F.D.A. Starts Campaign To Curb Self-Medication

—Continued from page 5

shipments of the same article still in interstate commerce or in the hands of distributors.

Cooperation of State health officials is being sought by the Federal agency, and letters have been sent to them all to police retail drug stores and otherwise use their authority under State laws to prevent the sale of dangerous drugs to the general public, particularly misuse of the prescription legend. These letters likewise list the drugs which the Food and Drug Administration considers dangerous to use under given condition. F.D.A. field agents also will cooperate with State officials in this project through the exchange of information and advice.

Intrastate Action Aimed

In the District of Columbia, which is directly subject to Federal jurisdiction, the administration some time ago called on the local retail pharmaceutical association to prevent its members from selling prescription-legend goods over the counter. In other localities, however, State health officials rather than trade associations are being called on for cooperation.

While the FDA will not attempt to police retail drug stores, in some cases an inspector may find an instance where a retail sale has been made without regard to the prescription legend, and in such cases Federal action may be brought directly against the retailer. Authority for such action is found in section 301 of the food, drug, and cosmetic act, which says:—

The following acts and the causing thereof are hereby prohibited:—. . .

(b) The adulteration or misbranding of any food, drug, device, or cosmetic in interstate commerce . . .

(k) The alteration, mutilation, destruction, obliteration, or removal of the whole or any part of the labeling of, or the doing of any other act with respect to, a food, drug, device, or cosmetic, if such act is done while such article is held for sale after shipment in interstate commerce and results in such article being misbranded.

Penalty for violation of section 301 may be a fine of $1,000 or imprisonment for a year, or more if done with intent to defraud or mislead.

List of Dangerous Drugs

The letter to a manufacturer listing drugs which are dangerous when sold indiscriminately reads as follows:—

. . . you ask us to send you a list of drug products banned from over-the-counter sale except on prescription.

The food, drug and cosmetic act which we enforce does not list drug products which may be sold only upon prescription. Section 502 (j) of this statute, however, provides that a drug shall be deemed to be misbranded if it is dangerous to health when used in the dosage, or with the frequency or duration prescribed, recommended or suggested in the labeling thereof.

We are sure you will agree that there are a number of drugs which are in fact dangerous if consumed otherwise than upon the basis of expert advice and under constant supervision. In addition, there are drugs which may safely be distributed to the laity for consumption in small doses, under labeling bearing adequate directions for use and adequate warnings, but which may become dangerous drugs for self-medication when administered in larger doses. It is not possible to list all of the preparations which may fall in either category.

As a guide to the industry and to pharmacists, we have expressed the view that drugs containing significant amounts of such ingredients as cinchophen, neocinchophen, other cinchophen derivatives, cantharides (for internal use), aminopyrine, sulphanilamide, sulphapyridin, thyroid, aconite, benzedrine sulphate (for internal administration), chrysarobin or goa powder, chrysophanic acid, colchicine, colchicum, emetine, phosphides, phosphorus, radium, sulphathiazole, thiocyanates, and the anthelmintics, carbon tetrachloride, tetrachloroethylene, aspidium (male fern), santonin, chenopodium oil, and thymol, should not be distributed over the counter for indiscriminate lay use.

Bromides and Acetanilide

It is our opinion that preparations containing bromides should not be sold directly to the laity if the dosage provided involves the consumption of more than 30 grains per day or more than 15 grains during any three-hour period.

The same is true of acetanilide, in the case of medicines that provide a total daily intake of more than 5 grains or more than 2½ grains during any three-hour period. For bromide-acetanilide combinations, we have suggested that preparations for lay use should not provide more than a total daily dose of 15 grains of sodium bromide and 5 grains of acetanilide, or more than 7½ grains of sodium bromide and 2½ grains of acetanilide during any three-hour period. Comparable amounts of other bromide preparations should, of course, be subjected to the same restrictions.

Acetophenetidin, Antipyrine

"There is ample scientific evidence to support the view that preparations providing a daily dose of more than 15 grains of acetophenetidin or more than 15 grains of antipyrine are dangerous within the meaning of section 502 (j) when distributed for indiscriminate lay use. Investigations which are currently in progress strongly suggest the probability that somewhat smaller daily doses of these drugs may likewise be dangerous when consumed indiscriminately. Our regulatory program will, of course, include actions based on sales of acetophenetidin and antipyrine under circumstances providing for a somewhat smaller daily dose if scientific opinion becomes available to establish the illegality of such sales.

"In our judgment, epinepyrine in solution of 1 percent or stronger cannot safely be indiscriminately used, and the same is true of ipecac in daily dosage greater than 10 grains, as well as of strychnine in a daily dose greater than 1/20 grain.

In addition to dangerous drugs comparable to those to which we have referred, there is another class of preparations which cannot legally, in our opinion, be sold without prescription. Section 502 (f) (1) provides that drugs distributed within the jurisdiction of the Federal law must bear adequate directions for use. The regulation under this section exempts drugs from this requirement if they bear the conspicuous statement, "Caution: To be used only by or on the prescription of a physician." Drugs bearing this labeling should not be sold otherwise than upon prescription.

We presume you are well aware of the fact that the regulation of the local practice of pharmacy is the obligation of local authorities. If you wish to acquire information concerning the restrictions imposed by local laws, this may, of course, be obtained by corresponding with the local officials.

Herbert B. Larner, of S. B. Penick & Co., this city, has been re-elected president of the Board of Health of the Borough of Glen Ridge, N. J.

Vanilla Beans—Tonka Beans

Thurston & Braidich, Importers, 286 Spring Street, New York

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Botanical Drugs, Spices, and Gums

Botanical Drug Prices Show Substantial Stability—Some Items Hold to Normal Levels—New Sources Sought to Replace European Primary Markets—Fair Call

Activity in the market for botanical drugs remained moderate throughout the past week. The fact that numerous items—practically all that are of domestic origin, for example—are in good supply at fairly reasonable prices has acted as a stabilizer in the market as a whole. Consumers of such entities carry fair inventories of most articles and hence during the past week were in the market irregularly and occasionally rather than in steady, sustained buying activity.

It may be well to enumerate the more important of those items the primary markets for which are definitely cut off. These include stramonium, colocynth, belladonna, henbane, aconite in addition to many others of greater or lesser importance. New sources of supply are being sought constantly. In contrast with the lack of normal stocks of botanicals of substantial importance digitalis many be cited. The need for this drug in medicine is not exceeded by any other botanical item. Yet thanks to an ample supply that grows wild in the Pacific Northwest, stocks of this highly necessary drug are good and prices are within the normal average.

The following list of drugs have changed little in price and up to this time have been available in quantities meeting consumer request: arabic gum, agar, Cape aloe gum, buchu, asafetida, benzoin gum, cardamom, cinchona bark, derris and its derivatives, ginger root, guaiac gum, white hellebore, pyrethrum flowers, ipecac root, jalap root, and karaya. Moderate increases in prices for the licorice group, olibanum gum, papain, T. V. senna, quince seed, sarsaparilla root, scammony root, and soap bark have taken place.

Numerous items noted for scarcity have been found in new primary market and importers of such entities expect prices to ease gradually as stocks from new sources of supply become larger.

Balsams

Peru.—Quiet but steady.

Tolu.—In moderate demand. Prices well held.

Barks

Buckthorn.—A consumer would be lucky to find any. Strictly nominal market.

Canella Alba.—In moderate reserve. Very steady.

Elm.—Moving along seasonal lines. Prices well maintained.

Soap.—Steady to firm. Communication slow with primary market.

Wild Cherry. — Feeling effect of more active consumption.

Beans

Tonka.—Steady to firm. Moving in volume about normal.

Vanilla. — Stocks grow steadily smaller. Most importers offer nothing. Stocks, such as they are, reserved for regular buyers. Mexico sole source for future United States supply unless French islands conditions change.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags Detained.	Bags Entered.
Anise	...	...
Belladonna	...	19
Caraway	...	19
Cardamom (cases)	...	26
Celery	...	26
Coriander	...	4,100
Cumin	...	952
Digitalis leaves (cases)	...	...
Dill	...	2,332
Fennel	...	268
Henbane leaves (bales)	...	...
Mustard	...	469
Poppy	...	...
Sage leaves (bales)	...	109
Sesame	...	1,014
Stramonium	...	...
Thyme	43	197

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Price Changes

Advanced

Anise, Bulgarian, 1½c. per lb.
Mexican, 1½c. per lb.
Cyprus, 2c. per lb.
Borage flowers, 10c. per lb.
Celery seed, Indian, 2¾c. per lb.
Elder flowers, 5c. per lb.
Ergot, 10c. per lb.
Kamala, 2c. per lb.
Marjoram, French, 4c. per lb.
Pepper, white, Java Muntok, ¼c. per lb.

Reduced

Caraway seed, Morocco, 1c. per lb.
Coriander seed, natural, 1c. per lb.
Cassia buds, ½c. per lb.
Dill seed, recleaned, ¾c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
223.6	224.4	227.9	186.7

Market news that may have developed after this report was sent to press will be found on page 4.

Berries

Cubeb.—Needs being met. Prices steady.

Saw Palmetto. — Orders irregular and occasional.

Flowers

Borage.—About nominal at 45c. to 48c. per pound, quoted subject to confirmation.

Chamomile. — Fundamentally firm. Stocks small. Can scarcely grow larger.

Elder.—Strong in prices that are virtually nominal.

Pyrethrum.—Little change. Kenya Colony flowers making market.

Saffron. — Steadier in price. No more active in demand.

Gums

Arabic.—Occasional price shading. Sorts generally held at 14c. per pound. Subject to a reasonable bid. Trans-

Association Meetings:—

Amer. Spice Trade Ass'n, May 12-14 (Tentative), New York.

HOPKINS'
VACUUM-MADE
SOLUBLE - SOLID
AND POWDERED
EXTRACTS
U.S.P. - N.F. - AND TO SPECIFICATIONS

WHITE PINE
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We maintain large, comprehensive stocks of Solid and Powdered Extracts — Official and Non-Official—also Extracts to your specifications.

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In fact, there is a Kelco Product for use wherever a hydrophilic colloid or gum-like material is required. Try Kelco today!

KELCO SODIUM ALGINATE PRODUCTS

KELCO Company

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port new stocks to spot slow and uncertain.

Benzoin.—Good call of seasonal dimensions.

Mastic.—Stocks plentiful. Conditions favor buyers.

Sandarac.—No undermining of spot prices. Quiet market.

Tragacanth.—Transportation of primary market stocks to spot slow and uncertain. Transport costs remain high. Inability to move normal quantities tends to ease primary market prices.

Herbs and Leaves

Belladonna.—Not much available. Some quoted at $1.75 to $1.80 per pound. Exhaustion of stocks not unlikely.

Buchu.—Steady. No special activity. Lack of shipping space may hamper movement next crop.

Henbane.—Scarce to point of extinction.

Henna.—Replenishment of stocks possible by slow, long, uncertain, and high-cost transport from primary market.

Stramonium.—Normal primary market virtually cut off. Limited quantities on spot.

Miscellaneous

Ergot.—Easier. Decline extended. Spot $1.55 to $1.60 per pound. Selling price might be even lower on firm order.

Grains of Paradise.—Still on easier side. No further price drop.

Kamala.—Firmer at 30c. to 32c. per lb.

Lycopodium.—Slightly more favorable for buyers, but not very much so. Offerings and stocks small.

St. John's Bread.—Edible item showing further strength. Tendency upward.

Roots

Dandelion.—Still quoted at 75c. to 80c. per pound. No further shading.

Ipecac.—No further reduction, but prices remain easy under competition.

Orris. — Practically unobtainable. Strictly nominal prices.

Rhubarb.—Still easier, but lacking further price drop.

Senega. — Advance maintained. Tendency still toward higher levels.

Squill.—Limited stocks red squill offered. Practically no white material available.

Valerian.—Slow to dull market on basis recent reduction.

Seeds

Anise.—Higher. Bulgarian, 22½c. to 23c. per pound; Mexican, 21½c. to 23c.; Cyprus, 23c. to 23½c. Caused by tighter situation regarding supplies and replacement cost.

Caraway.—Morocco item shaded to 29c. to 40c. per pound. Dutch nominal and unchanged with little offered.

Celery.—Indian seed rises sharply to 24½c. to 25c. per pound. Is bearing practically all of current demand.

Coriander.—Lower. Goods reaching here from French Morocco via Martinique. Spot, 8c. to 8½c. per pound.

Dill.—Down to 8½c. to 9c. per pound on betterment in offerings.

Mustard.—Hurricane and floods in southern California. Growing crop brown seed under water. Reseeding means delays in crop-maturity.

Spices

Cassia Buds.—Down to 12c. to 12½c. per pound.

Cinnamon.—Steady under moderate activity.

Ginger. — Apparently stable last week. Fair, general call.

Paprika.—Substantial quantities arrived from Lisbon. Believed mainly Portuguese and Spanish material. No Hungarian received here for months.

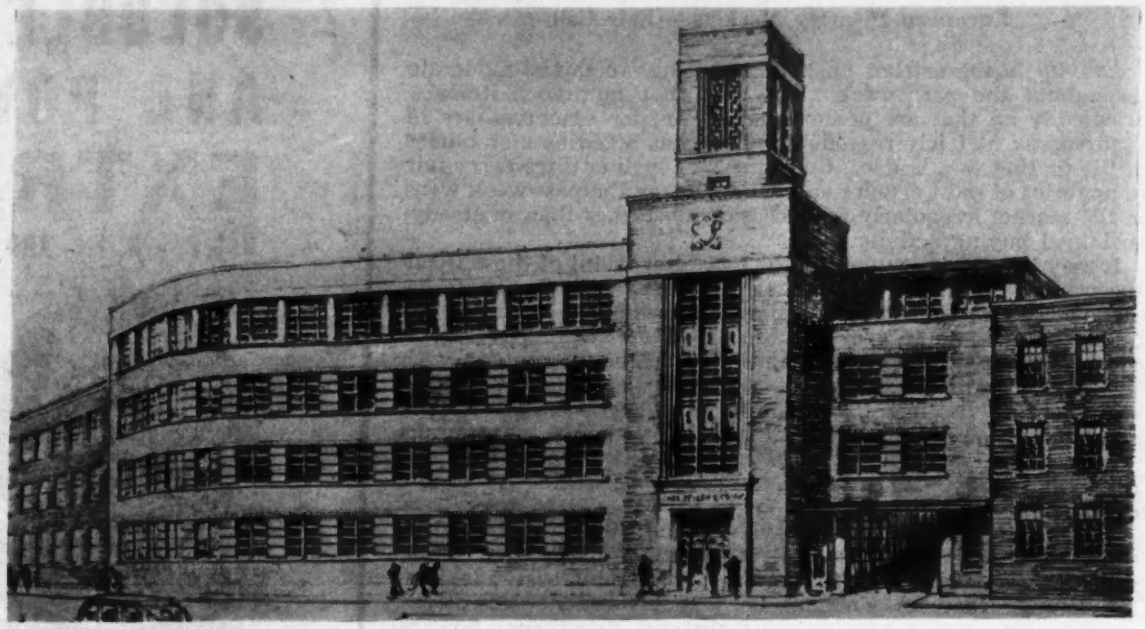
Pepper.—Java Muntok white pepper up a fraction. Reds steadier, following recent recessions. Blacks apparently steady, spot.

Trading in black pepper futures on the New York Produce Exchange from January 11 to January 17, inclusive, comprised 101 contracts, a total of 3,393,600 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
January	4.20	4.20	4.07@4.12
March	4.30	4.22	4.14@4.16
May	4.33	4.33	4.20@4.24
July	4.44	4.30	4.25@4.29
September	4.51	4.35	4.34@4.35
October	4.45	4.42	4.36@4.39
December	4.62	4.45	4.45 sale

Pfizer & Co. to Spend $1,000,000 On Expansion and Improvements

Charles Pfizer & Co., chemical manufacturers, this city, has purchased ground adjacent to its present plant at Bartlett street and Flushing avenue, Brooklyn, for erection of a laboratory and office building, at a cost of approximately $750,000. This new unit will permit extension of research work and will provide space for consolidation of the various laboratories and other facilities.



In the design and layout of the building, which is 170 feet long, 75 feet deep, four stories high, extending along Bartlett street to the point where it joins Flushing avenue, adequate provision has been made for the research laboratories, which will be greatly extended; the analytical laboratories, which will be modernized; scientific library; technical service laboratory; plant executive offices, and that part of the purchasing department handling specially designed equipment.

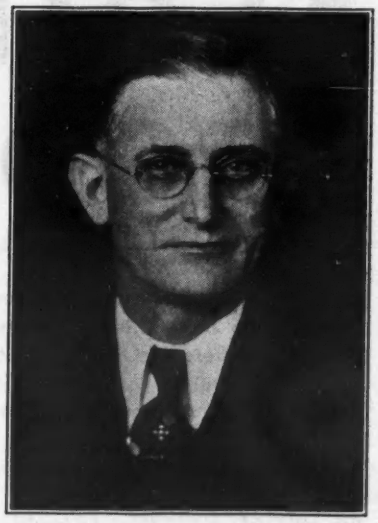
The research laboratories will deal mainly with organic syntheses, both by chemical and biological methods, and will be equipped with the most modern apparatus available. Aside from the strictly chemical research laboratories, facilities are being provided to evaluate the results of research work, such facilities embodying a microlaboratory, microphotographic rooms, and special instrument rooms.

The chemical research laboratories will be supplemented by a series of biological research laboratories, dealing primarily with fermentation research. A large portion of the building will be air conditioned and in some of the laboratories, where the requirements are exacting, temperature and humidity will be automatically controlled. A scientific library will be installed to serve the research, analytical, and technical service divisions. High pressure reactions will be an important feature of the intended research investigations. After the laboratories have been finished and furnished, a pilot plant costing about $250,000 will be joined to the new building to evaluate on a pilot plant scale the results of research.

Sharp & Dohme Elects Long Vice-President

E. Hugh Long has been elected a vice-president of Sharp & Dohme, pharmaceutical manufacturer, Philadelphia. Mr. Long has been general sales director since 1937.

Mr. Long first became associated with the company in 1906 as a sales representative covering the central section of Texas. In 1924 he was appointed Dallas district salesmanager and later, in addition, directed the New Orleans sales district. In 1931 he was made salesmanager of the Dallas and Kansas City districts. Mr. Long was made salesmanager of the central districts in 1933. Later he was advanced to sales promotion manager and then to assistant sales director, and in 1937 he was named general sales director.



E. Hugh Long

McKesson & Robbins, Inc., this city, sales of drugs and sundries for 1940 totaled $113,304,276, against $106,918,979 in 1939.

Merck Report Commemorates Fifty Years of Publication

The fiftieth year of continuous publication is commemorated with the January issue of *"The Merck Report,"* monthly house organ of Merck & Co. In one of the major articles of the issue is presented an illustrated description of the metamorphosis of the journal during its lifespan. Throughout this period it has been bringing to its readers in the medical and drug professions data as to the latest developments in these fields.

Other important articles in the edition are devoted to a resume of fifty years of progress in pharmacy, fifty years of medical progress, fifty years of progress in medicinal chemistry, the National Formulary; and the discovery, isolation, and synthesis of pantotheic acid. A copy of the anniversary issue may be obtained by addressing Merck and Co., Rahway, N. J., mentioning the REPORTER.

'Cola' Use in Soft-Drink Name Permitted by Court

The United States Circuit Court of Appeals for the Fourth Circuit has ruled that the Dixi-Cola Laboratories, Inc., Baltimore, may use the word, "cola," in the name of its soft-drink and the concentrate syrup therefor. This ruling reversed the Federal district court's decision in an action brought by the Coca-Cola Company.

The appellate court held, however, that the Dixi-Cola concern had conspired in the substituting of its product for "Coca-Cola" and enjoined it from imitating the color of the latter drink and from supplying its product to customers known to intend to pass it off for "Coca-Cola."

Dreyer Co. Executives Touring Central and Western States

Fred Theil, president of P. R. Dreyer, Inc., left last Tuesday on a business trip that will take him through company territories to the Pacific coast. He will be gone six weeks. Also, C. Lloyd Fischbeck, son of Charles Fischbeck and manager of the flavor department of the company, is now in Chicago, en route on a trip down the Mississippi river valley and into Texas, during which he will visit all company branches and the manufacturing consumer trade.

A. G. Cailler, essential oil broker, this city, has moved his offices to 17 East Forty-second street.

The Finest West Indian

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Our present strong position enables us to offer finest Distilled Lime Oil at what we consider very attractive prices. It will pay you to examine this delicious citrus Oil and to compare it carefully for flavor and economy with other available oils. Pin this ad to your letterhead for sample.

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FACTORIES AT CLIFTON, N. J. AND GRILLARS (VAR) FRANCE

Essential Oils, Aromatic Chemicals

Lack of Natural Essential Oils Raises Demand for Compounds Based on Aromatic Chemicals—Such Business Expected to Feature 1941 Trade — Market Firm

Lack of normal supplies of natural essential oils—indeed, total absence of many such materials on the spot market—has raised to prominence the production of synthetic compounds. Many manufacturing needs must be met by such materials and hence the laboratories of all factors in the essential oil and aromatic chemical trade are reported busy to a degree far exceeding activities prior to the crisis raised by the European war.

The leading purveyors of such compounds are aiming at the establishment of a permanent business in such commodities. Facing the time when peace will once more bring ample supplies of natural products to the United States, manufacturers are now striving to produce compounds so effective in manufactured products, so satisfactory as to cost of both raw material and finished merchandise, and so high as to quality from whatever point of view that natural products will find it difficult, if not impossible, to recover the position lost when war cut off practically all primary markets. The activity of dealers and manufacturers is fully equal to that shown by the makers of finished perfume, cosmetic, and other products.

Essential Oils

Almond.—Firm. Demand gains some. Stocks in strong hands.

Amber.—Higher. Crude, 38c. to 40c. per pound. Refined, $1.20 to $1.25. Stocks limited to small lots.

Anise.—Firmer but free of advance. Fair request.

Apricot.—Stocks moderate. Normal output not likely. Scarcity imported raw material.

Bay.—Inquiry moderate but steady for small lots.

Bergamot. — Excellent movement artificial item. Hardly any natural oil available.

Birch Tar.—Steadier but lacking more than jobbing activity.

Cajeput.—Demand irregular. Moderate stocks here.

Cananga.—Strong due to import cost and slowness of arrivals plus moderate spot stocks. Moderate demand.

Capsicum (Oleoresin).—Raw material declined lately. Oleoresin very steady. Normal trade.

Cassia.—Higher at $1.60 to $1.65 per pound due to demand, spot stocks, and slow, uncertain replacement.

Citronella.—Well maintained. Fair, steady demand and prices.

Clove.—Steady activity at full prices.

Coriander.—Limited stocks here. Production cost maintained. Some gain, raw material arrivals.

Dill.—Steady under fair spot request. Needs met.

Eucalyptus.—Not too ample supplies. Consumption running to excellent totals.

Geranium.—Turkish oil main item here. Very firm. Not too much stock. Arrival other varieties virtually impossible.

Juniper.—A few small lots still unsold. Purely sellers' market. Collectors attempt sale domestic berries for distillation.

Lavender.—Moderate stocks not pressed for sale. Regular customers get call. Further arrivals doubtful.

Lemon.—Complete price stabilization features domestic item. Demand satisfied from stocks domestic oil. Only small, isolated stocks Italian oil exist.

Lemongrass.—Routine activity here. Full prices maintained and obtained.

Lime.—Sales volume moderate. Prices hold firm. Undertone steady.

Linaloe.—Limited supply held at $1.75 to $2 per pound in slow market.

Nutmeg.—Steady to firmer. Sales moderate last week.

Orange.—Routine activity. All needs covered readily. Plentiful sources of primary supply. Brazilian oil declared of excellent quality.

Palmarosa.—Prices subject to confirmation. Market very firm.

Peppermint.—Advance maintained. No signs of shading. Fair call.

Petitgrain.—Fair to improved demand. Price firmness pronounced.

Pimento.—Strong. Stocks moderate to low. Limited demand.

Rosemary.—Prices on very firm basis. Replacement uncertain.

Wormseed.—Reports more encouraging. Recent offerings at $2.80 to $2.90 per pound have involved goods strictly U.S.P. Believed that reports of low iscaradol content oil have placed quantity produced too high.

Price Changes

Advanced

Amber, crude, 11c. per lb.
refined, 20c. per lb.
Cassia, 5c. per lb.
Linaloe, 15c. per lb.

Reduced

Wormseed, 20c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
165.9	166.3	161.3	94.9

Market news that may have developed after this report was sent to press will be found on page 4.

Aromatic Chemicals

Acetophenone. — Firm. Better demand. Prices fully maintained.

Amyl Phenylacetate.—Business routine but up to recent volume.

Amyl Salicylate. — Call moderate. Mainly for prompt needs.

Anethol.—Steady consumption shows tendency to grow.

Anisic Aldehyde.—Very good call. Some rise in sales volume.

Benzaldehyde.—Very firm. Call normal. Some tendency to gain.

Benzophenone. — Routine market maintained at full prices.

Benzyl Acetate.—Steady to firm and moving well.

Benzyl Alcohol.—More than ordinary demand kept prices firm.

Benzyl Benzoate.—Normal activity at fully maintained prices.

Benzyl Cinnamate.—Firm. In good request. Competition normal.

Benzyl Formate.—All needs met promptly. Very steady.

Benzyl Propionate. — Moving well. Volume satisfactory. Firm prices.

Benzyl Salicylate.—Rather quiet but very steady.

Benzylidenacetone.—Firm. In good request. No unsettlement.

Borneol.—No offerings. Intimated that market would be $2 per pound.

Bornyl Acetate. — Lack of offers. Sellers "guessed" the market as being

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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about $1.75 per pound if any is available.

Bromstyrol. — Extra fine quality would fetch $4.50 per pound, if available. Ordinary article in moderate reserve at $3.50.

Carvol.—Anything available would be worth fully $10 per pound, according to market opinion.

Cinnamic Alcohol.—Very good interest. Very firm prices.

Cinnamic Aldehyde.—Business routine to ordinary. Firm prices.

Citral.—Moderate supplies meeting current volume of demand.

Citronellal.—Steady in keeping with production cost.

Citronellol.—Firm undertones. No unsettling competition.

Citronellyl Acetate.—Fair but irregular consumer demand. Market firm.

Citronellyl Butyrate.—Rather dull but holding steady.

Coumarin.—Interest normal. Prices steady. Supply adequate.

Methyl Phenyl Acetate. — Inquiry improves. Very steady market.

Methyl Salicylate. — Fully steady. Demand normal and met promptly.

Musk.—Excellent demand for domestic product. Firmer generally.

Nerolin.—Firm and growing firmer. Little competition.

Novoviol. — Active and gaining strength steadily.

Pelargol.—Active because of lack of natural product equivalents.

Phenylethyl Alcohol.—Consumption normal. Undertones steady.

Phenylethyl Butyrate. — Interest maintained at normal volume.

Cosmetic Display Winners Named in '5 & 10' Contest

Winners in the cosmetics and toilet goods and drug sundries divisions of the eight annual "5 & 10" package contest were as follows:—

Cosmetics—Greatest counter display value, American Way powder box, A. A. Vantine Products Corporation; best use of materials, Waxy Protector nail polish remover, A. Sartorius & Co.; greatest merchandising value gained from packaging design; Pledge nail cream, Pledge cuticle softener, Pledge polish remover and Pledge nail enamel, Ohio Cosmetics Company.

Toilet Goods and Drug Sundries—Greatest counter display value, Meds Tampons, Personal Products Corporation; best use of materials, Fitch's wave set, F. W. Fitch Company, and greatest merchandising value gained from packaging design, Dora May puffs, Dora May Company.

Perfume and Flavor Bases Prices Shown in New List

A new wholesale price list of all its products has been issued by the Dodge & Olcott Company. The January, 1941, list contains essential oils, aromatic chemicals, flavor bases, perfume bases, balsams, gums, oleoresins, vanilla, insecticide concentrates, and other basic materials. A copy of the new price list may be secured by addressing the headquarters of the Dodge & Olcott Company, 180 Varick Street, New York, mentioning the REPORTER.

Fritzsche Open Branch Office in Houston, Tex.

Fritzsche Brothers, Inc., this city, has opened a new branch sales office at 502 Esperson building, Houston, Texas. The new office will be in charge of T. F. May, who will cover the Texas, Louisiana, Mississippi, lower parts of Arkansas and Alabama and the Western tip of Florida. Mr. May covered this territory formerly, operating from the company's branch in St. Louis.

Charles Fischbeck Not With Ungerer

Charles Fischbeck, president of the Essential Oil Association of the U.S.A., is vice-president of P.R. Dreyer, Inc., 119 West Nineteenth street, this city. The "Imp of the Perverse"—damned continuously by all editors—put Mr. Fischbeck, in last week's OPD story of his re-election, back with Ungerer & Co., where he has not been for some five years.

Toilet Preparations Exports In November Tabulated

The value of United States exports of toilet preparations during November, according to the Bureau of Foreign and Domestic Commerce, was as follows:—

Classification.	Value.
Dental creams	$120,501
Other dentifrices	16,451
Talcum powder in packages	29,216
Face and compact powder	55,511
Cold creams	12,272
Vanishing creams	9,932
Other creams, lotions and balms	32,964
Rouges	15,661
Lipsticks	60,190
Other cosmetics	11,308
Manicuring preparations	42,260
Depilatories and deodorants	5,964
Hair preparations	39,665
Perfumery and toilet waters	30,983
Other toilet preparations	42,342

Petroleum Products

Aromatic Naphthas Remain Most Active Petroleum Market Item — No Offerings of No. 40 Grade — Crude Scale Paraffin Remains Sluggish — Petrolatums Quiet But Firm

The strong demand for virtually all grades of aromatic naphthas continued to be a feature in the market for petroleum products last week. Buyers were encountering difficulty in obtaining early shipment of these materials. In many cases the demand exceeded available supply. The No. 40 naphtha was not offered. Other solvents and diluents were in satisfactory call. Price-shadings, reported for several previous weeks, had apparently stopped during the past week. Lighter fractions remained in a satisfactory market position, with offerings of butane and propane limited.

The call for crude scale paraffin remained somewhat slow during the period under review. Buying appeared to be on a hand-to-mouth basis. Posted prices were unchanged, but price-shading was reported. Petrolatums were attracting only fair buying interest but the tone of the market was stable. White mineral oils were moving in a sluggish manner and prices were weak.

An increase in the minimum quotation for 25 pour Pennsylvania bright stock marked the first upward movement in the price for that product in about five months. Sole other price revision during the period was an advance in the posted quotation for crude oil produced in Western Michigan fields.

Solvents and Diluents

Aromatic Naphthas.—All grades of these materials were in urgent demand last week. In many cases the demand exceeded the available supply. There was little prospect of obtaining supplies for immediate delivery. The No. 40 product was unavailable, refiners having withdrawn offerings.

Cleaners' Naphtha.—Consumers remained fairly active and in a buying mood last week. Shipments were in large volume during the period and inquiries for future delivery were well maintained. The price was steady and unrevised.

Lacquer Diluent.—The market was not too active, although business was satisfactory and was believed running ahead of the corresponding period last year. The price was firm and unrevised.

Mineral Spirits.—Buying was less conservative during the period. Contract shipments were larger and more regular. Inquiries were more numerous. Prices were steady and unchanged.

Rubber Solvent.—Akron tire manufacturers were showing little interest in spot offerings. Contract shipments, however, were well maintained. The price was firm.

Stoddard Solvent.—Paint manufacturers were showing a bit more interest in offerings, although heavy buying had not actually started. The cleaning trade was taking routine amounts. Price was steady.

V. M. & P. Naphtha.—Similar to mineral spirits, buying began to pick-up during the period under review and the tone of the market showed signs of improvement. The price was firm.

Markets at Other Centers

Chicago—Jan. 17

Generally steady market conditions are reported in the petroleum solvents and diluents market. Demand is a little irregular depending on the consuming line. Aromatic naphthas have been quite firm and in good call. Mineral spirits are reported a little steadier. Other products are in routine call.

AROMATIC NAPHTHAS. — Demand good, prices firm.

CLEANERS' NAPHTHA.—Buyers more interested, market firmer.

LACQUER DILUENT. — Buying fair. Quotations holding.

MINERAL SPIRITS. — Better call. Prices firm.

RUBBER SOLVENT. — Buying limited, market quiet.

Price Changes

Advanced

Oil, lubricating, bright stocks, 25 pour, Pa. refineries, ½c. per gal. Petroleum, crude, bulk, at wells, Western Mich., 5c. per bbl.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

STODDARD SOLVENT.—Fair inquiry, with prices unchanged.

V. M. & P. NAPHTHA. — Tone firmer, quotations holding.

New Orleans—Jan. 17

A firm tone continued to prevail in the domestic market on cleaning solvent and V. M. & P. naphtha, with prices remaining unchanged.

CLEANING SOLVENT.—Demand routine; price unchanged.

V. M. & P. NAPHTHA.—Sales volume fair, prices steady.

Tulsa—Jan. 17

The activity of the Eastern markets and the strength of those products has still not been reflected in the mid-continent markets. However, more inquiries have developed this week for various products. Contract shipments have been better, but the spot market remained quiet. Prices as a whole are steady.

CLEANERS' NAPHTHA.—More interest. Price steady.

STODDARD SOLVENT.—Cleaning industry inquiring. Others quiet. Price unchanged.

RUBBER SOLVENT.—Tire manufacturers demand less. Volume routine. Price firm.

V. M. & P. NAPHTHA.—Greater inquiries coming into the market for long-term deliveries. Price steady.

LACQUER DILUENT. — Routine demand. Price steady.

Lighter Fractions

Butane. — The market remained tight during the week, with offerings scarce in all sections. The price, virtually a nominal one, was strong.

Heptane. — Satisfactory movement of stocks was reported. New business was small but inquiries for future delivery were at a good level. No change in price was reported.

Hexane. — Interest in the market continued to broaden, although it was still characterized as routine. The price was firm.

Octanes.—Fair interest in offerings. Consumers were showing little desire to take on additional supplies at the present time. The price was steady and unchanged.

Pentanes.—Inquiry was better during the week. Shipments on contract were in larger volume. Price was firm.

Propane.—Similar to butane, offerings were somewhat restricted due to the tightness in the supply situation. Price was strong.

Markets at Other Centers

Chicago—Jan. 17

Fair to good demand prevailed in most grades of the lighter petroleum fractions. Call for butane has been a feature. Propane also has been subject to increased interest. Tone generally was somewhat improved, and inquiry has been picking up.

BUTANE.—Market hardening. Prices firm.

HEPTANE.—Better call from buyers, quotations steady.

HEXANE.—Improved interest. Prices firm.

OCTANES.—Quiet tone, with quotations unchanged.

PENTANES.—Movement fair, no change in price.

PROPANE.—Good orders, market stiff.

Petrolatums and Waxes

Petrolatums.—Demand remained fairly slack during the period under review. Buying of crude scale material was on a hand-to-mouth basis. Consumers appeared unwilling to make large additions to their stocks on hand. Prices were steady and unchanged.

Petrolatums.—The market remained fairly quiet but firm during the week.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Compressed Gas Mfers, Jan. 20-21, New York.
N. Y. Oil Trades Ass'n, Jan. 21, New York.
Liq. Pet. Gas Ass'n, Feb. 24-25, Chicago.
Nat. Pet. Ass'n, April 25-26, Cleveland.

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Contract shipments were routine. New business was small.

White Mineral Oils.—Interest in offerings continued at a low level. Buying was in small lots only. Prices remained weak.

Markets at Other Centers

Chicago—Jan. 17

Petrolatums and waxes are mostly quiet and rather dull. There was a general easiness in both tone and price structure for most material, with buyers apparently determined to wait out sellers. Movement meanwhile has been rather limited.

PARAFFIN.—Demand limited. Prices tending easy.

PETROLATUMS.—Modest call, market hesitant.

WHITE MINERAL OILS.—Slow demand, prices unchanged.

Tulsa—Jan. 17

The paraffin and petrolatum markets are still quiet. However, refiners are holding their quotations. Price shading has not been made by the larger plants. The 124-126 white crude scale wax is still quoted 2.75c. per pound in bags and 2.87½c. in barrels.

PARAFFIN.—Quiet in all grades. Prices steady.

PETROLATUMS.—More inquiries. Prices unchanged.

Fuels and Lubricants

Gasoline.—Routine and firm.

Kerosene.—Good call. Prices firm strong.

Lubricating Oils. — Pennsylvania suppliers advanced 25 pour bright stocks ½c. per gallon. Bright stocks now quoted at 12½c. to 14c. per gallon.

Crude Oil Price Changes

Buyers of crude in Western Michigan fields have advanced prices 5c. per barrel to $1.23 for Allegan, Kent, Ottawa and Van Buren grades.

Markets at Other Centers

Chicago—Jan. 17

Tone of the fuels and lubricants was highly irregular and inconclusive. Kerosene was steady. Lubricating oils were again tending spotty.

GASOLINE.—Tone unsettled, prices weaker.

KEROSENE.—Demand fair, prices holding.

LUBRICATING OILS.—Demand modest, prices about steady.

New Orleans—Jan. 17

A conservative demand continued in the gasoline market, with quotations unaltered. Kerosene movement continued slow.

GASOLINE.—Demand routine; no price change.

KEROSENE.—Market slow; unchanged price.

Tulsa—Jan. 17

There has developed quite a contraction in gasoline consumption during the first half of January. Kerosene remains in constant demand. Lubricants are quiet after a spurt of inquiries last week.

GASOLINE.—Volume curtailed. Prices easy.

KEROSENE.—Shipments increase. Supply tight. Prices strong.

LUBRICANTS.—Routine demand. Prices steady.

Defense Paint Problems Listed for Discussion

National defense painting problems will be featured on the program of the fifty-seventh annual convention of the Painting and Decorating Contractors of America, to be held at the Hotel Lowry, St. Paul, Minn., on February 4 to 7.

Acoording to the January issue of National Painters Magazine, other topics to be presented include maintenance painting, apprentice training, labor relations, cost accounting and the problems of the small contractor.

An elaborate paint styling show, open to the public, will be held in the municipal auditorium during the convention, at which manufacturing concerns affiliated with the painter organization will display new and standard materials.

Rothschild Heads Joseph, Inc.

Herman Rothschild has been elected president of Robert Joseph, Inc., chemical importer and exporter, 80 Broad street, this city. Carl A. P. Meyers has been named treasurer.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Celluloid Goods: — Tangier, Morocco; purchase (553).

Chemicals, Pharmaceutical:—Shanghai, China; purchase (554).

Medicines, Proprietary: — Shanghai, China; purchase (554).

Starch, Potato:—Medan, Sumatra; purchase (554).

Toothpaste: — Shanghai, China; purchase (554).

Phillips Petroleum Denied Elkins Act Suit Dismissal

Wilmington, Jan. 15, 1941

Motion of the counsel for the Phillips Petroleum Company and its subsidiary, the Phillips Pipeline Company and the Great Lakes Pipeline Company, subsidiary of the Continental Oil Company, asking a special three-judge Federal court here to dismiss the governments suit charging violations of the Elkins act on the ground they were brought in the court was denied.

Petroleum Products Rates For Trucking Reduced

OPD Washington Bureau January 14, 1941

The Interstate Commerce Commission today suspended reduced trucking rates on shipments of petroleum products from Marcus Hook, Pa., and Paulsboro, N. J., to Utica, N. Y. Proposed schedules called for rates of 40 cents per 100 pounds, less-truckload, and 28 cents per 100 pounds, minimum 20,000 pounds, in place of higher rates of 44 cents less-truckload and 30 cents for the minimum 20,000-pound shipment.

A. C. Stewart has been appointed a director and vice-president in charge of sales for the Union Oil Company, Los Angeles, to succeed V. H. Kelly, who has retired.

Antitrust Gasoline Suit Final Defendant Fined

Chicago, Jan. 15, 1941

The Madison, Wis., oil cases, charging major oil companies with conspiracy to fix jobber margins and the terms of jobber contracts, ended today when the last defendant, John W. Warner, midcontinent salesmanager for Tide Water Associated Oil Company, was fined $15,000 in the Federal Circuit Court of Appeals. Mr. Warner entered a plea for nolo contendere. Charges against the company and Edward L. Shea, former executive vice-president, were dismissed.

Geo. Bull Leaves Socony Paint for Army Commission

The New York Paint and Varnish Production Club lost its first member to the national defense program when George Bull, technical research chemist for Socony Paint Products Company, Long Island City, was called for service. Mr. Bull, a reserve lieutenant in the Army, has taken up active duties at Fort Totten, Flushing, L. I.

N.Y. Paint, Prod. Clubs To Meet Jointly March 13

The regular meeting of the New York Paint, Varnish and Lacquer Association was held January 16 in the Biltmore hotel, this city. Inclement weather held the attendance down to less than 200 members and guests. It was announced during the dinner that the association would be the guest of the New York Paint and Varnish Production Club at a joint dinner meeting to be held March 13.

H.J. Barrett Buys Leeno

Howard J. Barrett Company, manufacturing chemist, Philadelphia, has acquired Leeno Products, Inc., manufacturer of insecticides and disinfectants, Baltimore. Both companies have been joined under the name of the purchaser.

Butane storage tanks are being erected, at a cost of $27,250, at the plant of the Texas Company, San Pedro, Calif.

UNIFORMITY

APCOTHINNER TROLUOIL PETROLENE

THE THRILL OF *Greater Profits*
PLUS SATISFACTORY RESULTS

ANDERSON-PRICHARD INDUSTRIAL NAPHTHAS

By this time, if you know "what your business did" in 1940, you are thinking in terms of the year ahead. If Anderson-Prichard industrial naphthas are a part of the picture, we say with all modesty, it will look rosier! Why? Because Apcothinner, Troluoil and Petrolene have a record of such unfailing performance throughout the industry. Their use, coupled with our Research service, invariably leads to more satisfactory and more profitable production.

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Fertilizer Materials

General Market for Feed and Fertilizer Materials More Active — Blood and Tankage Feed Higher — Fertilizer Mixers Increase Demands—Sulphate for Domestic Use Scarce

The tone of the general market for fertilizer and feed materials continued to improve last week. Feed manufacturers created the most activity, with a heavy demand for various organic nitrogenates recorded. Prices on feed materials were much stronger. Buyers seemed willing to meet prices during the period and large sales were recorded. Blood and tankage were boosted at New York and Chicago. No changes were made in prices on bone materials but they were reported seeking higher ground.

The fertilizer materials picture was more promising. Atlantic Coast and Midwestern manufacturers were ordering in better volume. In the South, it was reported that mixers had already started shipping. Chemicals were moving to mixing plants in fair volume. Nitrate of soda call was still small, but a pick-up was expected. Little sulphate of ammonia for domestic use was available. The export call remained heavy, with prices at the previous high levels.

Nitrogenates

Ammonia Phosphate.—New offerings limited. Shipments fair. Price firm and unchanged.

Anhydrous Ammonia. — Satisfactory movement to mixers. Price steady.

Calcium Nitrate. — Offerings curtailed. Price withdrawn.

Castor Pomace.—Domestic material in fair call, with offerings limited. Price steady. Imported product unavailable.

Cyanamid.—Demand fair. Supplies tight. Price steady.

Dried Blood. — Good demand for feed purposes. Offered at New York at $2.75 per unit-ton, a 25c. advance. Chicago material placed at $2.90 per unit, an increase of 25c. Imported product quoted at $2.50 per unit, a 5c. rise.

Fish Scrap.—Total supply believed sold. No offerings of Chesapeake Bay menhaden or Japanese sardine meal reported.

Manganese Sulphate. — Fairly active movement. Price steady.

Nitrate of Soda.—Shipments were slightly heavier. Contracting sluggish. Price steady and unrevised.

Nitrogenous Material. — Demand was fair and prices firm.

Sulphate of Ammonia.—Export demand extremely heavy with sales reported at $40 to $41 per ton. Scarce supplies available for new domestic business.

Tankage. — Feed manufacturers were very active and prices were higher. New York supplies were offered at $2.60 and 10c. per unit, an increase of 10c. At Chicago, feed material was quoted at $3 and 10c., a 25c. advance. Fertilizer grades were unchanged. South American supplies 15c. higher at $2.75 and 10c. per unit.

Urea. — Fair movement reported. Prices steady and unchanged.

Phosphates

Bone Materials.—Good call from feed manufacturers. Prices stronger but unchanged.

Phosphate Rock.—Activity in the market showed signs of improving during the period under review. Shipments were heavier and inquiries for future deliveries were more numerous. Prices were firm and unchanged.

Superphosphate.—Demand remained limited, although offerings were numerous. Prices were steady and unrevised.

Potashes

The demand for replacement material remained dull last week. Most of the contract deliveries have already been made and new inquiries were slow in making an appearance. Prices were firm and unchanged.

Price Changes

Advanced

Blood, dried, Dom., f.o.b. N.Y., 25c. per unit.
f.o.b. Chi., 25c. per unit.
imp., c.i.f. ports, 5c. per unit.
Tankage, dom., feeding, f.o.b. N.Y., 10c. per unit.
f.o.b. Chi., 25c. per unit.
imp., S. Amer., c.i.f. ports, 15c. per unit.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
68.0	68.0	67.3	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

Sulphur and Pyrites

The market for crude sulphur remained firm and unchanged. Shipments held to satisfactory levels, with a good volume of material moving into consumption. Price was steady.

Markets at Other Centers

Atlanta—Jan. 16

Trading in fertilizer materials is reported picking up in the South. Shipments of manufactured fertilizers are under way in the lower South. Stronger trends in organic ammoniates are reported.

SUPERPHOSPHATE.—55c per unit, interior producing points.

NITRATE OF SODA.—$27 per ton, bulk, ports.

SULPHATE OF AMMONIA.—$29 per ton, port basis.

COTTONSEED MEAL.—8 percent grade, $30 to $30.50, Southeast.

BLOOD.—$2.50 per unit, foreign, port basis; $2.90, Chicago.

TANKAGE.—High grade, $3 and 10c. per unit, Chicago.

NITROGENOUS.—$2.00 per unit, Midwestern producing points.

Baltimore—Jan. 16

The better feeling which made itself manifest right after the turn of the year gives promise of continuing in evidence, with virtually all of the crude fertilizer materials firm or slightly higher.

FISH SCRAP.—Some North Carolina scrap sold in small quantity. No Chesapeake Bay menhaden or Japanese sardine meal offered.

SUPERPHOSPHATE.—Demand limited. Quotations are held at $8 per ton for run-of-pile, with 16 percent flat at $8.50.

TANKAGE.—The market for this ammoniate is stronger, with asking prices at $2.60 and 10c. per unit-ton on unground supplies, f.o.b. New York. South American tankage is quoted at $2.75 and 10c., c.i.f., with shipping space scarce.

DRIED BLOOD.—A stronger tone prevails. Domestic sales have been made at $2.50 per unit-ton, but sellers are now quoting $2.75, f.o.b. New York.

SULPHATE OF AMMONIA.—The strength in this division is unabated, and $41 per ton is now the recognized market, with trading done quite freely on that basis.

—*Continued on page 58*

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Potash, Nickel Salts Put Under Export Curb

—*Continued from page 3*

Plates and sheets (6423)
Rods (6424)
Wire:—
Bare (6425)
Insulated wire and cable:—
Rubber-covered wire (6430)
Weatherproof wire (6431)
Other insulated wire (6435)
Other primary fabrications (6412*)
Fabrications for munitions purposes (6439*)
Alloys, other than brass and bronze

B. Brass and bronze:—
Scrap and old (6440)
Ingots and other commercial shapes (6441)
Bars and rods (6448)
Plates and sheets (6450)
Pipes and tubes (6453)
Wire (bare or insulated) (6457)
Other primary fabrications (6479*)
Fabrications for munitions purposes (6479*)

C. Zinc:—
Ore, concentrates, and dross (6570)
Cast in slabs, plates, or blocks (6571)
Rolled in sheets and strips (6572)
Other forms including scrap (6573)
Alloys (6573)
Dust (6586)
Manufactures containing 20 percent or more zinc (6589*)

D. Nickel:—
Ores, concentrates, and matte (6545)
Metal in any form including ingots, bars, rods, sheets, plates, and scrap (6545)
Alloys containing 10 percent or more nickel including scrap (6545, 6610)
Nickel compounds (chemical) containing 10 percent or more nickel (8399*)

E. Potash:—
Potassium salts and compounds (8356)
Potassium hydroxide (KOH) (caustic potash)
Potassium carbonate (K_2CO_3)
Potassium chlorate ($KClO_3$)
Potassium perchlorate ($KClO_4$)
Potassium cyanide (KCN)
Potassium iodide (KI)
Potassium nitrate (KNO_3)
Potassium permanganate ($KMnO_4$)
Potassium acetate ($KC_2H_3O_2$)
Potassium bicarbonate ($KHCO_3$)
Potassium bitartrate ($KHC_4H_4O_6$)
Potassic fertilizer materials (8531)
Potassium chloride (KCl)
Potassium sulphate (K_2SO_4)
All other potassic fertilizer materials containing 27 percent or more potassium oxide (K_2O) equivalent
All combinations and mixtures of any of the foregoing containing potash salts of 27 percent or more potassium oxide (K_2O) equivalent

Sulphur 1939 Output Totaled 2,091,000 Tons

The sulphur industry in the United States produced 2,091,000 long tons of sulphur with a mine value of about $32,000,000, according to preliminary figures for 1939 released by William Lane Austin, Director of the Census. The 1939 production of native sulphur was approximately equal to that of 1929.

The United States ranks as the foremost producer of sulphur in the world, the 2,091,000 long tons produced in 1939 accounting for over 80 percent of the estimated world output. The large reserves of sulphur in the United States and the large production capacity assure an ample domestic supply of sulphur to meet any expanded demand in the near future.

Mine operations that produced native sulphur in 1939 employed an average of 1,500 wage earners. The average wage earner worked 272 shifts during the year, averaging 7.4 hours per shift. In addition to wage earners, about 500 salaried workers were employed in the industry.

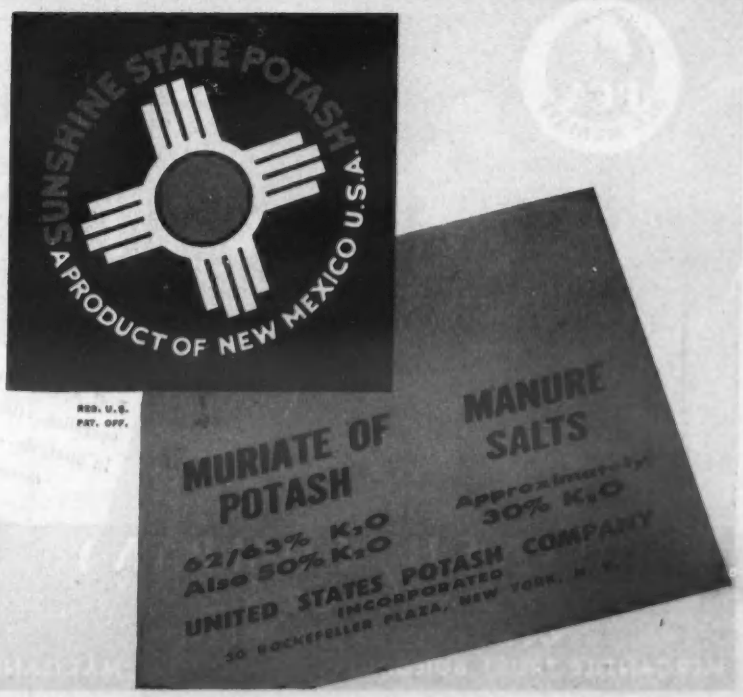
The amount paid to wage earners was $2,528,000 and to salaried employees, $1,911,000. Supplies and materials used in 1939 cost $1,689,000; fuel and purchased electric energy, $1,143,000; and the amount paid for work done on contract by other concerns was $102,000. Buildings, machinery, and equipment costing $381,000 were erected or installed during the year.

Over 99 percent of the native sulphur produced in 1939 was obtained from six operations—one in Louisiana and five in Texas. This sulphur was recovered by the Frasch process, in which wells are drilled into the underground sulphur deposits, casing is inserted, and large quantities of superheated water are pumped underground. The resulting molten sulphur is raised to the surface by means of compressed air and allowed to cool and solidify in large bins. The product so obtained is practically pure sulphur.

The Frasch method is characterized by continuous operation—365 days per year and 24 hours per day. The number of wage earners employed in each month of 1939 was maintained at a relatively constant level of 1,500. Of the six large mines in Louisiana and Texas, five operated three shifts per day and the remaining mine operated on a four-shift basis.

★ Domestic MADE IN U.S.A.
THE BARRETT COMPANY
40 RECTOR ST., NEW YORK
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.



Effective Association Functioning Essential

—Continued from page 32

duty of selecting a well-qualified and competent trade association executive. After this selection has been made, the next most important obligation of the members of the governing body is the adoption of an attitude of willingness to permit the executive officer of their choice to carry out and execute the policies which they may prescribe without unduly hampering, thwarting, or frustrating him in his endeavors to accomplish the most productive results through his administrative guidance.

The governing body of a trade association should assume the immediate responsibility for supervising the operation of the activities performed by the trade association and, consequently, it should make it an enduring and contiuning principle to foster and maintain sufficient self-restraint to avoid any use of the trade association for selfish or factional purposes. It should direct and dictate the policies to be pursued by the trade association and should encourage the executive officer to express himself fully and clearly upon all questions of association policy presented for consideration and action. Although the executive officer should not be invited to vote upon any of these matters, he should be instructed to be very explicit as to his opinion regarding the merits, difficulties, or objections surrounding any of the policies presented for consideration.

When the governing body of a trade association has reached a decision regarding matters presented for their determination, its members have the right to insist that the executive officer will make every effort and bend every thought toward the most complete and inclusive attainment of the accomplishments intended, in his administration of the policies authorized and directed to be pursued.

Respect for Laws

There is one exception, however, to the much desired and vitally necessary complete subordination of the trade association executive officer to the will and direction of the governing body, and that is with regard to any possible violations of law. The members of the governing body of the trade association should adopt an inviolable rule that under no circumstances should the executive officer or any members of the association participate in any undertaking which may involve a violation of some Federal or State statute. The executive officer should feel absolutely free to express himself fully and without fear upon such matters.

In some instances this attitude of guarding against possible violations of law may prove irksome. In the long run, however, if properly understood and accepted, it will establish an esprit de corps and a solidarity of association spirit which will overcome many of the obstacles that "short cuts" and minor infractions of the law may temporarily hurdle. Questionable legal practices eventually will destroy a trade association organization and will involve the industry in antitrust litigation of one type or another, which will not only be expensive but demoralizing in its effect upon any expectation or aspiration for legitimate cooperation in collective industry endeavor.

Once a trade association has been guilty of playing favorites within its own ranks, or has become involved with Federal or State prosecuting officials because of questionable trade practices, its value as a militant protector of general industry welfare either is temporarily diminished or is permanently destroyed. When such an unfortunate happening occurs, the usefulness of the trade association organization in the community and the industrial sphere in which the members of the industry operate becomes impaired, and gradually the result is a complete disintegration and disappearance of every semblance of a healthy organization spirit within the affected industry.

(To be continued)

Potash Salts Output Totaled 532,000 Tons

The potash industry in the United States produced 532,000 short tons of prepared potassium salts with a value of $10,039,000 at points of production, according to preliminary figures for 1939 released by William Lane Austin, Director of the Census. These prepared salts, representing prepared muriate, sulfate of potash, and manure salts, contained an estimated equivalent in K_2O of 311,000 short tons. When the value of other products, mostly natural sodium compounds, is included the total value of the industry's products in 1939 was $13,964,000.

A decade ago the United States was largely dependent upon imports of potash that originated largely in Germany and France. Today there exists a domestic potash industry of a size adequate to meet our anticipated requirements in the near future. The effect of the current war in virtually cutting off European potash supplies, therefore, will not seriously handicap preparations for national defense.

As only a small domestic potash industry existed in 1929, no comparable census statistics are available for that year; however, a comparison of the 1939 output of potassium salts with data for 1929 reported by the United States Bureau of Mines shows a fivefold increase in production. The production of potash from natural brines or saline deposits now ranks among the important mineral industries not only because of the dollar value of the products but also because of the essential character of the product.

Potash-mining operations employed an average of 1,516 wage earners during 1939. The number of wage earners increased during the year from an average of 1,387 in the first half of the year to an average of 1,640 in the last half of the year. In addition to wage earners, the companies producing potash reported the employment of 284 salaried workers.

The amount paid to wage earners, who worked a total of 3,318,000 man-hours, was $2,666,000, or a naverage of about 80 cents per man-hour. Payments to salaried employees amounted to $997,000. Supplies and materials used during 1939 most $1,607,000; fuel, $1,174,000; and the amount paid for work done on contract by other concerns, $18,000. The cost of buildings, machinery, and equipment erected or installed during the year was $791,000.

Production of potash materials was reported by five companies, operating five mines. Potash was recovered from natural brine at one large operation in California, from bedded saline deposits mined at two underground mines in New Mexico, and from brine at one mine in Utah. Another mine in Utah reported production of a small quantity of crude alunite which is valued partly for its potash content. The mines in California and New Mexico accounted for 98 percent of the total production of prepared salts. Another large mine in New Mexico was reported in the process of development and had no output.

'Colloresin' Gum Substitute Offered by General Drug Co.

The use of "Colloresin" in cosmetic and pharmaceutical formulations is discussed in a new folder issued by the aromatics division of the General Drug Company. "Colloresin" is described as a new type of cellulose derivative which forms a stable jelly, and can replace to advantage various of the vegetable gums now employed.

Available as a dry, fibrous mass, it is stated that the new material may be dissolved in water to produce a colorless or slightly yellowish, uniformly viscous mixture, free from lumps. A copy of the new bulletin may be obtained by addressing the aromatics division of the General Drug Company, 170 Varick street, New York, mentioning the REPORTER.

American Agricultural Chemical Corporation, this city, has started construction of two additional acid chambers and an acid tower at its Baltimore plant.

Fertilizer materials and mixtures inspected for sale in Mississippi during 1940 showed deficiencies in but 462 tons out of a total of 294,036 tons, according to Si Corley, commissioner of agriculture.

U.S. Closes Nitrate Deal with Chile

—Continued from page 3

publics includes such government actions to make it possible for Latin-American countries to buy more in this country. Nitrate of soda is listed by the Army and Navy Munitions Board as a strategic material because it can be used in the manufacture of explosives and is also an essential fertilizer. Modern methods of manufacturing military explosives usually employ other forms of nitrogen, and this country now has facilities for synthesizing large quantities of both nitrate of soda and other forms of nitrogen, but officials felt that this purchase of Chile nitrate would constitute a prudent military reserve as well as aiding a sister Republic.

The purchase price, as announced by Jesse H. Jones, Federal Loan Administrator, will be on the basis of $18 per short ton, bulk, f.a.s. Chilean ports of Iquique, Tocopilla ,and Antofagasta, delivery to be made prior to June 30, 1941.

The contract calls for shipping 100,000 tons directly to the United States for storage, and the balance of 200,000 tons will be stored temporarily in Chile. The contract was made with the Chilean Nitrate & Iodine Sales Corporation and requires that agency to pay to the Chilean government or to the Central Bank of Chile, against Chilean pesos, in United States currency, the sum of $10 per ton of the purchase price received for the nitrates.

This dollar exchange for the government of Chile, Mr. Jones stated, is in addition to the 25 percent of the seller's profit, if any, in the sale of nitrates, as required by Law 5350 of the Republic of Chile.

Fertilizer Materials

Markets at Other Centers

—Continued from page 57

Chicago—Jan. 16

The fertilizer materials market has been showing some little improvement since recent recessions, and the present market position seems in a fair position of stability. Movement of material is attaining a good rate and tone of the market is said to be steady. Blood is in fair call. Tankage business has been a little spotty. Bone materials are in good call and, while irregular, are said to be mostly in improved position.

BLOOD.—Principal grade, $2.90 per unit of ammonia.

TANKAGE.—High grade, feeding, $3 and 10c.; hoof-meal, $2.70 to $2.80; liquid stick, $1.25 to $1.50.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $34 to $35; 3 and 50 percent, $34 to $35; 4½ and 50 percent, $30 to $33; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $30 to $35; beef cracklings, soft pressed, $30 to $35; pork cracklings, soft pressed, $35 to $37.50; hard pressed cracklings, per unit of protein, 60c. to 62½c.

San Francisco—Jan. 16

Additional strength was registered in the organic products division of the crude fertilizer materials market last week. Good demand for blood, various grades of feeding and fertilizer tankage and fish meal either advanced prices or lent a better tone to the situation in general.

SULPHATE OF AMMONIA.—Nominal. Few offerings. Quoted at $38 per ton in 100-pound bags, delivered inland points.

SUPERPHOSPHATE. — Domestic, 80c. per unit in bulk, f.o.b. San Francisco. Bags, 91c.

NITRATE OF SODA.—100-pound bags, $29.40 per ton and 167-pound bags, $28.70 per ton, both ex-vessel or warehouse. Bulk lots at $27.

FISH MEAL.—Market was firm to strong last week; 67 percent protein meal at $48 per ton, f.o.b. San Francisco and 65 perecent protein at $46, f.o.b. Monterey.

TANKAGE.—Better interest. Market strong. Unground fertilizer grade, wet rendered, $2.65 and 10c. per unit-ton, f.o.b. plant, Northern California. Dry rendered, ground, 50 percent, $35 to $36 per ton, f.o.b. cars, South San Francisco. Unground, dry rendered, 57½c. to 60c. per unit of protein, f.o.b. cars, South San Francisco. South American, February-March shipment, dry rendered, ground, 50 percent, $35.50, ex-dock; unground, 65 percent, 67½c. per unit.

BLOOD.—Firm. At $2.75 per unit, f.o.b. cars, Northern California; $2.90, Los Angeles.

P.C.A.
RED MURIATE
P. C. A. Red Muriate is ideal in plant operation--Uniform in color--Uniform in analysis--Uniform in grain size.
Muriate of Potash 50% and 60%
Manure Salts
POTASH COMPANY
of America
GENERAL SALES OFFICE
MERCANTILE TRUST BUILDING BALTIMORE, MARYLAND
SOUTHERN SALES OFFICE
MORTGAGE GUARANTEE BUILDING
ATLANTA, GEORGIA

Shipping Information

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Imports at U.S. Ports

New York Imports

ACONITE ROOT—14 bgs, S B Penick & Co, Barcelona

ACID, TARTARIC—100 bbls, Seatrain Lines, Inc, Barcelona
200 bbls, Atlantic Freighting Corp, Barcelona
240 bbls, Atlantic Freighting Corp, Barcelona
760 bbls, Atlantic Freighting Corp, Barcelona

ALOE—80 cs, S B Penick & Co, Capetown

AMBAR LIQ—2 dms, American Shipping Co, Puerto Cortes

ANTIMONY ORE—2,022 bgs, Banco Minero de Bolivia, Antofagasta
1,254 bgs, Banco Minero de Bolivia, Antofagasta
533 bgs, Metal Traders, Callao
625 bgs, Havana

ARROWROOT—84 bgs, Stein, Hall & Co, Rio de Janeiro

ARSENIC—1,334 bbls, American Smelting & Refining Co, Tampico
83 bbls, New York & Cuba Mail S S Co, Tampico

ASBESTOS—1,000 bgs, Union Asbestos Rubber Co, Durban
10 bgs, Union Asbestos Rubber Co, Capetown

ASPHALT—16 bgs, Wells Fargo & Co, Havana

BELLADONNA LEAVES—19 bls, E Meer & Co, Bilbao

BLOOD, DRIED—1 cs, Tupmann-Thurlow Co, Santos

BONE MEAL—1,500 bgs, Buenos Aires

BRISTLES — 4 cs, Aron Ainstein, Buenos Aires
50 cs, S Hirshenhorn & Son, Dairen
55 cs, F W Von Stade, Dairen
40 cs, J Henry Schroeder Banking Corp, Dairen
10 cs, H E Botzow & Co, Dairen
13 cs, H Rosenhirsch & Co, Dairen
50 cs, W Wagman Co, Yokohama
25 cs, Continental Bank Trust Co, Yokohama
92 cs, Corn Exchange Bank Trust Co, Yokohama
28 cs, F H Cone & Co, Yokohama
50 cs, Mitsui & Co, Tsingtao
60 cs, Mitsui & Co, Tsingtao
3 cs, National City Bank, Yokohama
26 cs, National City Bank, Dairen
100 cs, Mitsui & Co, Tsingtao

CADMIUM GLUE—89 cs, Watson, Geach & Co, Capetown

CALCIUM TARTRATE — 234 bgs, Charles Pfizer & Co, Alicante

CAMPHOR, REFINED—10 cs, Iwai & Co, Dairen

CANARY SEED—237 bgs, H S Cramer & Co, Buenos Aires
158 bgs, National City Bank, Buenos Aires
110 bgs, National City Bank, Buenos Aires
220 bgs, National City Bank, Buenos Aires

CARAWAY SEED—19 bgs, R H Elmaleh, Fort of France

CAROB—313 bgs, Irving Trust Co, Lisbon

CASEIN—500 bgs, American British Chem Supplies, Buenos Aires
1,667 bgs, Chase National Bank, Buenos Aires
834 bgs, American Cyanamid & Chem Co, Buenos Aires
600 bgs, Buenos Aires
1,667 bgs, T M Duche & Son, Buenos Aires
167 bgs, A Hurst & Co, Buenos Aires

CASSIA—270 bls, H P Winter & Co, Padang
86 bls, Knickerbocker Mills Co, Padang
34 bls, R T French & Co, Padang

ROLLS—200 bls, Continental Bank Trust Co, Hongkong

CASTOR BEANS—5,190 bgs, W R Grace & Co, Santos
1,734 bgs, Spencer Kellogg & Sons, Rio Janeiro
3,556 bgs, Spencer Kellogg & Sons, Rio Janeiro
1,694 bgs, Baker Castor Oil Co, Victoria
924 bgs, Baker Castor Oil Co, Victoria

CHEMICALS—12 cs, Hoffmann La Roche, Lisbon
2 cs, Atlantic Shipping Co, Lisbon
6 cs, Atlantic Shipping Co, Barcelona
32 cs, Firmenich & Co, Lisbon

CHILLIES—112 bgs, Lourenco Marques
126 bgs, Lourenco Marques

CINCHONA BARK—241 bls, New York Quinine & Chem Works, Batavia
294 bls, New York Quinine & Chem Works, Batavia

COALTAR INTERMEDIATES—4 cns, Atlantic Freighting Co, Lisbon

COBALT, BEARING RESIDUE—715 bgs, African Metal Corp, Beira

COCOA BEANS—250 bgs, Middleton & Co, Port Spain
200 bgs, Farr & Co, Port Spain
250 bgs, Middleton & Co, Port Spain
250 bgs, Struller & Wood, Port Prince
500 bgs, Guayaquil
500 bgs, W R Grace & Co, Guayaquil
500 bgs, Guayaquil
250 bgs, A Canale, Guayaquil
4 bgs, New York & Porto Rica Co, Puerto Plata
500 bgs, Carr Bros, Puerto Plata
786 bgs, Curacao Trading Co, Puerto Plata
250 bgs, Wessel, Kulenkampf & Co, Trujillo
575 bgs, Curacao Trading Co, Trujillo
500 bgs, Chase National Bank, Victoria
250 bgs, Victoria
300 bgs, Machado & Co, La Guaira
110 bgs, Meyer & Co, Puerto Cabello
50 bgs, General Cocoa Co, Puerto Cabello

COCONUT, DESIC—5 cs, Wood & Selick, Manila
100 bgs, Balfour, Guthrie & Co, Manila
718 bgs, General Food Sales Corp, Manila
50 cs, Balfour, Guthrie & Co, Manila
200 bgs, Balfour, Guthrie & Co, Manila
1,433 pkgs, Balfour, Guthrie & Co, Manila
899 pkgs, Durkee Famous Food, Manila

COCONUT, DESIC—160 pkgs, Philippine Desic Coconut Corp, Manila
4,028 pkgs, Durkee Famous Food, Manila
337 pkgs, Philippine Desic Coconut Corp, Manila
500 cs, General Food Sales Corp, Manila
585 bgs, General Food Sales Corp, Manila
899 pkgs, Durkee Famous Food, Manila
1,650 pkgs, General Food Sales Corp, Manila
1,028 pkgs, Durkee Famous Food, Manila
603 pkgs, General Food Sales Corp, Manila
487 pkgs, Philippine Desic Coconut Corp, Manila
205 cs, Wilbur Ellis Co, Davao
250 cs, Wilbur Ellis Co, Davao
360 cs, Wilbur Ellis Co, Davao

COCONUTS—215 bgs, I L Toledano Corp, Cristobal

COCONUT SHELL CHARCOAL—3,195 bgs, American Overocean Corp, Manila
2,642 bgs, General Food Sales Corp, Manila

CODLIVER OIL STEARIN—4 cs, Iceland

COLOMBO ROOT—101 bgs, S B Penick & Co, Lourenco Marques

CORIANDER SEED—2,200 bgs, Fort of France
850 bgs, J Toledano Co, Fort of France
300 bgs, Fort of France
100 bgs, R H Elmaleh, Fort of France
400 bgs, Fort of France

CORK—67 bls, Ontario Cork Co, Lisbon
1,973 conts, Fort of France

DISCS—100 bls, Universal Transcont Corp, Lisbon

GRANULATED—600 bls, Dominica Oilcloth & Linoleum Co, Lisbon

SHAVINGS—1,000 bls, H Suhl, Lisbon

VIRGIN—880 bls, Mundet Cork Corp, Lisbon
2,800 bls, National City Bank, Lisbon
310 bls, National City Bank, Lisbon

WASTE—9,000 bls, Dominion Oilcloth & Linoleum Co, Lisbon
2,738 bls, Armstrong Cork Co, Lisbon
109 bls, Mundet Cork Corp, Lisbon
400 bls, Mundet Cork Corp, Lisbon
1,647 bls, Chase National Bank, Lisbon
1,560 bls, Mundet Cork Corp, Lisbon
800 bls, Mundet Cork Corp, Lisbon

WOOD—250 bls, Armstrong Cork Co, Lisbon
5 pkgs, Titan Shipping Co, Lisbon
140 bls, Armstrong Cork Co, Lisbon
4,424 bls, Armstrong Cork Co, Lisbon
119 bls, Mundet Cork Corp, Lisbon
2,500 bls, Mundet Cork Corp, Lisbon
330 bls, Atlantic Pacific Mfg Co, Lisbon
30 bls, A Hurst & Co, Lisbon
1,417 bls, H Suhl, Lisbon
4,278 bls, Armstrong Cork Co, Sines
1,090 bls, National City Bank, Lisbon
500 bls, A Hurst & Co, Lisbon
96 bgs, Mundet Cork Corp, Lisbon
35 bls, Lisbon
468 bls, Chase National Bank, Lisbon

COTTON LINTERS—264 bls, Buenos Aires
279 bls, Buenos Aires
270 bls, Buenos Aires
957 bls, Buenos Aires
234 bls, Kanders Steuber Co, Santos
126 bls, Kanders Steuber Co, Santos
126 bls, Williamson Prod Co, Santos
582 bls, Hercules Powder Co, Santos
440 bls, West Texas Cotton Oil Co, Santos
325 bls, Williamson Prod Co, Santos
211 bls, Santos
510 bls, Hercules Powder Co, Santos
124 bls, Hercules Powder Co, Santos
191 bls, Comm'l Natl Bank & Trust Co, Rio Janeiro

COTTONSEED MEAL—1,102 bgs, Buenos Aires

DYES, ANILIN—3 cs, Kuenzle & Streiff, Lisbon
3 dms, Atlantic Shipping Co, Lisbon
5 cs, Atlantic Shipping Co, Lisbon
3 bbls, Atlantic Shipping Co, Lisbon
4 cs, Atlantic Shipping Co, Lisbon
98 kgs, 1 cs, Atlantic Freighting Co, Lisbon
66 kgs, 3 cs, Atlantic Freighting Co, Lisbon
5 kgs, 1 cs, Gondrand Shipping Co, Lisbon

FILTER PAPER—14 cs, J E Bernard & Co, Petsamo

FISH LIVERS—10 tins, J D Irwin & Co, Yokohama
100 tins, Japan

MEAL—976 bgs, Iceland

FLAXSEED—1,255 bgs, 2,761 bus, H S Cramer & Co, Buenos Aires
667,806 kilos, 26,712 bus, Cramer & Co, Buenos Aires
645 bgs, 1,419 bus, Cramer & Co, Buenos Aires
1,252,000 kilos, 50,080 bus, Cramer & Co, Buenos Aires
5,490,560 kilos, 219,803 bus, Mar del Plata
475 tons, 19,000 bus, Leval & Co, Buenos Aires
439 bgs, 965 bus, Leval & Co, Buenos Aires

FLIES, DRIED—32 bgs, Rivas & Belfast, Havana

FLUORSPAR—127,467 kilos, Tomlinson & Co, Tampico

GALL STONES—4 cs, Swift & Co, Rio Grande

GAMBIER—135 bgs, L Littlejohn & Co, Singapore

GLASS, WINDOW—3,500 cs, New York & Cuba Mail S S Co, Tampico

GLUESTOCK—9 bls, Transatlantic Animal By-Product Co, Buenos Aires
5 bls, Manufacturers Trust Co, Buenos Aires
152 bls, Daarnstadt, Scott & Courtney, Buenos Aires
59 bls, Daarnstadt, Scott & Courtney, Buenos Aires
25 bls, Chemical Bank Trust Co, Montevideo
96 bls, Manufacturers Trust Co, Mar del Plata

GLYCERIN—20 dms, Buenos Aires

GRAPHITE, AMOSPHOUS—2,000 bgs, Asbury Graphite Mills, Husan
1,400 bgs, Mitsui & Co, Husan

GUAIAC EXTRACT—8 cs, Buenos Aires

GUM—37 cks, R H Elmaleh, Fort of France
35 cks, R H Elmaleh, Fort of France

BENZOIN — 101 cs, H P Winter & Co, Padang

CHICLE—953 bls, Mexican Exploitation Co, Progreso

GUM, CHICLE—144 bls, Mexican Exploitation Co, Progreso
40 bgs, F Huber & Co, Tampico

COPAL—185 baskets, Macassar
189 baskets, Irving Trust Co, Macassar
257 baskets, Macassar
190 baskets, O G Innes Corp, Macassar
131 baskets, Macassar
138 baskets, O G Innes Corp, Macassar
190 baskets, Macassar
70 bgs, O G Innes Corp, Macassar
76 baskets, Macassar
68 baskets, O G Innes Corp, Macassar
124 baskets, Macassar
3 baskets, Jacques Wolf & Co, Vera Cruz
20 bgs, G W S Patterson & Co, Manila
39 bgs, G W S Patterson & Co, Manila
56 bgs, Manufacturers Trust Co, Manila

DAMMAR—100 cs, Manufacturers Trust Co, Batavia
500 cs, Chase National Bank, Batavia
50 cs, Sino Java Hvg, Padang
72 cs, O G Innes Corp, Padang
28 cs, O G Innes Corp, Padang
140 bgs, H P Winter & Co, Singapore
128 bgs, Macassar
1,120 cs, Thurston & Braidich, Batavia
70 bgs, H P Winter & Co, Singapore

LABDANUM—4 dms, Manufacturers Trust Co, Barcelona

HEMPSEED—628 bgs, Mitsui & Co, Dairen

HERBS, CRUDE—25 cs, S B Penick & Co, Buenos Aires
55 bgs, S B Penick & Co, Buenos Aires

HERRING MEAL—20,190 bgs, Iceland

INDIGO—170 dms, Lisbon
170 dms, Lisbon

IPECAC ROOT—13 bgs, Rutger, Bleecker & Co, Rio de Janeiro

IRON OXIDE — 1 bbl, Reichard-Coulston, Malaga

JUNIPER BERRIES—7 bgs, E Meer & Co, Barcelona

LEAD CONC—669 bgs, South American Development Co, Guayaquil

LEAVES, MED—28 bls, Alicante

LICORICE PASTE—300 cs, Marcel Blanc, Barcelona

LYCOPODIUM—13 cs, National City Bank, Osaka

MACE—24 cs, Chemical Bank & Trust Co, Padang

MANGROVE BARK EXTRACT—270 bgs, Dar Es Salaam

MANIOC FLOUR—583 bgs, Chase National Bank, Rio Janeiro
1,000 bgs, Java American Export Co, Rio Janeiro
417 bgs, Chase National Bank, Rio Janeiro

MEAT EXTRACT—25 cs, Swift & Co, Rio Grande

MEDICINAL PREPS—6 cs, Santos
3 cs, Santos
12 cs, New York & Cuba Mail S S Co, Vera Cruz
12 pkgs, E Fougera & Co, Vera Cruz

METAL LEAF—4 cs, Kobe

MICA—250 cs, A O Schoonmaker Insulator Co, Buenos Aires
55 cs, Flomarcy Co, Victoria

MINERALS—26 bgs, Watson, Geach & Co, Barranquilla
460 bgs, Vulcan Detinning Co, Tampico
1,003 bgs, Tampico

MUSTARD SEED—280 bgs, Mitsubishi Shoji Kaisha, Tsingtao

NUTMEGS—106 bgs, Geo Lueder & Co, Padang
216 bgs, Geo Lueders & Co, Padang
91 bgs, Geo Lueder & Co, Padang
202 bgs, J Berlarge Co, Padang
194 bgs, Dodge & Olcott Co, Padang
20 bgs, Chemical Bank Trust Co, Padang
78 bgs, Dodge & Olcott Co, Padang
93 bgs, H P Winter & Co, Padang
20 bgs, P H Winter & Co, Padang
97 bgs, H P Winter & Co, Padang

OIL, CAJEPUT—4 dms, Irving Trust Co, Macassar

CAMPHOR—25 dms, Orbis Product Corp, Kobe

CANANGA—2 dms, Stein, Hall & Co, Batavia

CASTOR—5 dms, Stern, Stiner & Co, Rio Janeiro

CITRONELLA—3 dms, Stein, Hall & Co, Batavia
48 dms, Batavia
10 dms, Batavia
20 dms, Batavia
20 dms, Batavia
12 dms, Batavia
17 dms, Batavia
27 dms, Batavia
60 dms, Batavia
15 dms, Catz American Co, Batavia
60 dms, Catz American Co, Batavia
8 dms, Stein, Hall & Co, Batavia
16 dms, Stein, Hall & Co, Batavia
4 dms, Stein, Hall & Co, Cheribon

COD—52 cks, Canada
1 cs, Iceland

CODLIVER—3,667 dms, Iceland
2 cs, Iceland

ESSENTIAL—9 dms, Norda Essential Oil & Chem Co, Alicante

FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao

LAVENDER—10 dms, Norda Essential Oil Co, Alicante
24 dms, Norda Essential Oil & Chem Co, Alicante
10 dms, Alicante
5 dms, Ungerer & Co, Alicante
6 dms, Alicante

LAVENDER SPIKE—10 dms, Alicante

LEMON—26 cs, Vera Cruz

NAPHTHENIC RESIDUE—79 dms, R Joseph, Tampico

OLIVE—500 cks, Banque d Etat Maroc, Fort of France
50 cks, Banque d Etat Maroc, Fort of France

ORANGE—22 cs, Santos
14 cs, T M Duche & Sons, Santos

PALM—251 tons, Belawan Deli
255 tons, Banque Belge pour l'Etranger, Belawan Deli
470 tons, Belawan Deli
302 tons, Belawan Deli
457 tons, Banque Belge pour l'Etranger, Belawan Deli
523 tons, Belawan Deli
517 tons, Belawan Deli
268 tons, Banque Belge pour l'Etranger, Belawan Deli
179 tons, Banque Belge pour l'Etranger, Belawan Deli
286 tons, Banque Belge pour l'Etranger, Belawan Deli

OIL, PATCHOULI—4 dms, Batavia
1 dm, Stein, Hall & Co, Batavia
3 dms, Bankers Trust Co, Batavia
5 dms, Stein, Hall & Co, Batavia
1 dm, Bankers Trust Co, Batavia

PETITGRAIN—25 cs, Guaranty Trust Co, Montevideo
15 cs, Buenos Aires
25 cs, Guaranty Trust Co, Buenos Aires
6 dms, National City Bank, Buenos Aires
20 dms, Guaranty Trust Co, Buenos Aires
10 cs, Buenos Aires
15 cs, Buenos Aires
25 cs, Buenos Aires
5 dms, W R Grace & Co, Buenos Aires

ROSEMARY—2 dms, J W Lyon & Co, Alicante
2 dms, Dodge & Olcott Co, Alicante
1 dm, Alicante
10 dms, Alicante
24 dms, Alicante

THYME—1 dm, J W Lyon & Co, Alicante
1 dm, Alicante

VETIVER—7 dms, Bank of Manhattan, Batavia
2 dms, Stein, Hall & Co, Batavia

YLANG YLANG—2 cs, W R Badcock & Co, Manila

ORANGE FLOWER WATER—2 dms, Magnus, Mabee & Reynard, Pto Prince

ORRISROOT—12 bgs, R H Elmaleh, Fort of France

PAPAIN—41 cs, Lourenco Marques
5 cs, Lourenco Marques

OX GALLS—12 bbls, Tupmann, Thurlow Co, Santos

CONCENTRATES—37 bbls, Biological Raw Prod Co, Santos

PAPRIKA—18 bgs, Buenos Aires
6 bgs, Buenos Aires
60 bgs, Alexander Monzan, Fort of France
100 bgs, Alexander Monzan, Fort of France
50 bgs, Jewett & Sherman, Lisbon
150 bgs, Hudson Tea & Spice Co, Lisbon
100 bgs, Lisbon
200 bgs, J Raphael & Son, Lisbon
50 bgs, R H Elmaleh, Lisbon
50 bgs, Frank Tea & Spice Co, Lisbon
50 bgs, H Schoenfeld & Son, Lisbon
50 bgs, Campinex Trading Co, Lisbon
50 bgs, H Schoenfeld & Son, Lisbon
50 bgs, Weidemann Co, Lisbon
50 bgs, R H Elmaleh, Lisbon
60 bgs, Coello Bros, Lisbon
200 cs, Alicante
200 bgs, Alicante
100 bgs, Knickerbocker Mills Co, Alicante
200 bgs, McCormick & Co, Alicante
600 bgs, Jose Navarro, Alicante
150 bgs, Joanssemen & Cross, Alicante
100 bgs, Van Loan & Co, Alicante
25 bgs, Meadows & Co, Alicante
20 bgs, General Export Co, Alicante
50 bgs, Jewett & Sherman Co, Alicante
100 bgs, Knickerbocker Millse Co, Alicante
50 bgs, R H Old & Co, Alicante
50 bgs, A G Dunn, Alicante
150 bgs, Jewett & Sherman, Alicante
50 bgs, Levy & Levis Co, Alicante
50 bgs, I Harrison & Whitney, Alicante
50 bgs, A G Dunn, Alicante
50 bgs, Levy & Levis Co, Alicante
50 bgs, Alicante
50 bgs, Biddle Purchasing Co, Alicante
200 bgs, 50 cs, Alicante
50 cs, Biddle Purchasing Co, Alicante
300 bgs, Alicante
20 bgs, Alicante
25 bgs, D M Hutton, Alicante
50 bgs, Levy & Levis Co, Alicante
50 bgs, Alicante
50 bgs, Euclid Coffee Mills, Alicante
50 bgs, Knickerbocker Mills Co, Alicante
50 bgs, Alicante
50 bgs, Levy & Levis Co, Alicante
50 bgs, A G Dunn, Alicante
200 bgs, Alicante
75 bgs, Atlantic Freighting Co, Alicante
600 bgs, R T French Co, Alicante
200 bgs, McCormick & Co, Alicante
50 bgs, Alicante
50 bgs, Continental Import Co, Lisbon
200 bgs, H H Parker, Lisbon
250 bgs, Van Loan & Co, Alicante
50 bgs, Knickerbocker Mills Co, Alicante
50 bgs, A G Dunn, Alicante
100 bgs, Van Loan & Co, Alicante
50 bgs, Sokol & Co, Alicante
50 bgs, Durkee Famous Food, Alicante
200 bgs, Manufacturers Trust Co, Lisbon

PATCHOULI LEAVES—33 bls, W J Bush & Co, Singapore
45 bls, W J Bush & Co, Singapore

PEPPER—600 bgs, Tampico
400 bgs, Tampico

BLACK—225 bgs, Irving Trust Co, Oosthaven
225 bgs, Irving Trust Co, Oosthaven
450 bgs, Irving Trust Co, Oosthaven
900 bgs, M S Kattenhorn, Oosthaven
885 bgs, Catz American Co, Oosthaven

WHITE—252 bgs, Irving Trust Co, Oosthaven
252 bgs, Irving Trust Co, Oosthaven
900 bgs, Catz American Co, Oosthaven

PETPOLEUM, CRUDE — 94,438 bbls, Las Piedras

POTASH, CHLORATE—250 cs, New York Match Co, Petsamo
250 dms, New York Match Co, Petsamo
1,000 cs, New York Match Co, Petsamo

PERMANGANATE—200 dms, H H Rosenthal Co, Osaka

PYRETHRUM FLOWERS—275 bls, Lourenco-Marques
125 bls, Lourenco Marques

QUEBRACHO EXTRACT—2,525 bgs, International Product Corp, Buenos Aires
3,248 bgs, Tannin Corp, Buenos Aires
1,000 bgs, International Product Corp, Buenos Aires
1,026 bgs, Tannin Corp, Buenos Aires
20 bdls, Tannin Corp, Buenos Aires
922 bgs, Tannin Corp, Buenos Aires
899 bgs, International Product Corp, Buenos Aires

QUICKSILVER—25 flasks, Chase National Bank, Tampico

QUINCE SEED—11 bgs, S B Penick & Co, Capetown

QUININE, SULPHATE—50 cs, R W Greeff & Co, Batavia
500 cs, Batavia
30 cs, R W Greeff & Co, Batavia
200 cs, Batavia

RAPESEED—581 bgs, Buenos Aires
120 bgs, H S Cramer & Co, Buenos Aires
173 bgs, National City Bank, Buenos Aires
675 bgs, F W Pabst, Tampico

RHATANY ROOT—28 bls, S B Penick & Co, Arica
SAFFRON FLOWERS—15 cs, Atlantic Shipping Agency, Lisbon
1 cs, R T French Co, Barcelona
1 cs, Alicante
: cs, J Arbib, Lisbon
SAGE LEAVES—60 bls, Alicante
40 bls, D M Hatton & Co, Alicante
SAGO FLOUR—800 bgs, W R Grace & Co, Singapore
SARSAPARILLA ROOT—41 bls, D A Zarrilla, Tampico
SCHEELITE ORE — 75 dms, Molybdenum Corp of America, Buenos Aires
160 bgs, Irving Trust Co, Buenos Aires
SEED, MED—6 bls, Alicante
SESAME SEED — 180 bgs, Mitsui & Co, Shanghai
SPONGES — 19 bls, American Sponge & Chamois Co, Havana
17 bls, American Sponge & Chamois Co, Havana
STARCH, MANIOC—1,700 bgs, Simmonds & Grey, Rio de Janeiro
STRONTIUM—690 bgs, Foote Mineral Co, Tampico
TALC—8,720 bgs, Whittaker, Clark & Daniels, Dairen
2,800 bgs, Whittaker, Clark & Daniels, Dairen
TANKAGE—1,016 bgs, Charles Hollinshed Co, Montevideo
535 bgs, Charles Hollinshed Co, Buenos Aires
1,524 bgs, H M Rubin Co, Buenos Aires
2,010 bgs, H J Baker & Bro, Buenos Aires
2,003 bgs, H J Baker & Bro, Buenos Aires
2,000 bgs, H J Baker & Bro, Buenos Aires
1,348 cs, Darmstadt, Scott & Courtney, Buenos Aires
8 bgs, Darmstadt, Scott & Courtney, Buenos Aires
1,016 bgs, Charles Hollinshed Co, Montevideo
1,016 bgs, Charles Hollinshed Co, Montevideo
1,753 cakes, Buenos Aires
19 bgs, Buenos Aires
TANTALITE ORE—67 cs, Chase National Bank, Rio Janeiro
TAPIOCA FLAKE—334 bgs, Stein, Hall & Co, Sourabaya
137 bgs, Stein, Hall & Co, Sourabaya
229 bgs, Stein, Hall & Co, Sourabaya
554 bgs, Stein, Hall & Co, Sourabaya
FLOUR—500 bgs, Stein, Hall & Co, Batavia
256 bgs, Stein, Hall & Co, Batavia
500 bgs, Stein, Hall & Co, Batavia
510 bgs, American Cyanamid & Chem Co, Batavia
115 bgs, Irving Trust Co, Tjilatjap
478 bgs, American Cyanamid & Chem Co, Tjilatjap
413 bgs, Stein, Hall & Co, Sourabaya
531 bgs, Stein, Hall & Co, Sourabaya
250 bgs, Cheribon
3 pkgs, Sino Java Hvg, Cheribon
250 bgs, Cheribon
1,088 bgs, Cheribon
3 pkgs, Sino Java Hvg, Cheribon
500 bgs, Cheribon
500 bgs, Bank of New York, Batavia
500 bgs, H P Winter & Co, Batavia
224 bgs, Havana
500 bgs, Bank of New York, Rio Janeiro
1,249 bgs, Stein, Hall & Co, Cheribon
500 bgs, J Lowe & Co, Cheribon
250 bgs, American Cyanamid & Chem Co, Cheribon
85 bgs, H P Winter & Co, Cheribon
300 bgs, Oosthaven
250 bgs, H P Winter & Co, Batavia
250 bgs, American Cyanamid & Chem Co, Batavia
300 bgs, Batavia
TARTAR—486 bgs, Charles Pfizer & Co, Barcelona
731 bgs, Charles Pfizer & Co, Buenos Aires
419 bgs, Charles Pfizer & Co, Buenos Aires
197 bgs, W R Grace & Co, San Antonio
THYME LEAVES—46 bgs, E Meer & Co, Alicante
43 bgs, J L Hopkins & Co, Alicante
32 bgs, Kachurin Drug Co, Alicante
76 bgs, Alicante
TIMBO ROOT—84 cs, Para
TITANIUM ORE—200 bgs, Santos
225 bgs, Santos
TOLU BALSAM—20 cs, Mecke & Co, Barranquilla
10 cs, Barranquilla
TONKA BEANS—20 bbls, Para
8 bbls, Para
TUBA ROOT—85 bls, Dodwell & Co, Singapore
TUNA FISH LIVERS—1 ck, Portugal
TUNGSTEN, CONC—40 dms, Irving Trust Co, Buenos Aires
403 bgs, Irving Trust Co, Buenos Aires
TURPENTINE—1 cs, Ford Motor Co, Santos
VANADIUM ORE — 8,296 bgs, Vanadium Corp of America, Callao
VALERIAN ROOT—9 bgs, E Meer & Co, Barcelona
VANILLA BEANS—3 cs, M S Kattenhorn & Co, Sourabaya
18 cs, Belawan Deli
14 cs, Belawan Deli
2 cs, New York & Cuba Mail S S Co, Vera Cruz
21 cs, New York & Cuba Mail S S Co, Vera Cruz
12 cs, Pan American Trust Co, Vera Cruz
WATTLE BARK — 2,134 bls, Lourenco Marques
EXTRACT—500 bgs, Tannin Corp, Durban
WAX, ANIMAL—8 bgs, Anchor Mercantile Co, Fort of France
BEES—76 bgs, American Cyanamid & Chem Co, Rio de Janeiro
88 bgs, W R Grace & Co, Valparaiso
27 bgs, Havana
19 bgs, Geck Trading Co, Tampico
12 bgs, Schutte & Focke, Trujillo
80 bgs, D Steengrafe, Santos
CANDELILLA—3,366 bgs, M Argueso & Co, Tampico
CARNAUBA—33 bgs, Rio de Janeiro
133 bgs, Bank of London-South America, Rio de Janeiro
WAX, CARNAUBA—26 bgs, Innis, Speiden & Co, Rio de Janeiro
CERESIN—300 bgs, Asiatic Petroleum Corp, Sourabaya
WINE LEES—98 bgs, Lisbon
1,266 bgs, Charles Pfizer & Co, Buenos Aires
815 bgs, Charles Pfizer & Co, Buenos Aires
YEAST—1 pkg, Standard Brands, Havana
ZIRCON—25 bgs, Rare Mineral & Metal Co, Victoria

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New York Transit Imports

BETEL NUTS—11 bgs, Inland Alkaloid Co, Manila, Tipton, Indiana
CORKWOOD—540 cs, Ontario Cork Co, Lisbon, Canada
ERGOT—70 tins, Eli Lilly & Co, Lisbon, Indianapolis
PAPRIKA—50 bgs, J H Faunce Co, Lisbon, St Louis
50 bgs, Lisbon, Bridgeport
10 bgs, Lisbon, Toronto
ROCK CRYSTALS—20 cs, Rio Janeiro, Ottawa
VANILLA BEANS—5 cs, Zink & Triest, Batavia, Philadelphia

Baltimore Imports

COTTONSEED MEAL—351 bgs, Santos
IRON ORE—21,000 tons, Bethlehem Steel Co, Cruz Grande
10,600 tons, Bethlehem Steel Co, Cruz Grande
21,200 tons, Bethlehem Steel Co, Cruz Grande
MANGANESE ORE—7,000 tons, Rio Janeiro
1,000 tons, Vizagapatam
7,870 tons, Vizagapatam
6,500 tons, Takoradi
2,483 tons, Malbato, Busuango
MYROBALANS—308 bgs, Bombay
PYRETHRUM FLOWERS—250 bls, Mombasa

Boston Imports

COCOA BEANS—200 bgs, Samarang
OIL, PALM—180 tons, Guaranty Trust Co, Belawan Deli
SAGO FLOUR—712 bgs, Arnold, Hoffman & Co, Inc, Singapore
TAPIOCA FLOUR—250 bgs, Cheribon
1,000 bgs, A Hoffmann & Co, Batavia
750 bgs, Stein, Hall & Co, Batavia
500 bgs, Stein, Hall & Co, Batavia
3,264 bgs, Cheribon

Charleston Imports

TAPIOCA FLOUR—500 bgs, Batavia

Houston Imports

COTTONSEED MEAL—6,300 bgs, West Texas Cotton Oil Co, Santos
940 bgs, West Texas Cotton Oil Co, Santos
2,900 bgs, West Texas Cotton Oil Co, Santos
OIL, COTTONSEED—632,730 kilos, West Texas Cotton Oil Co, Santos
TAPIOCA FLOUR—821 bgs, Stein, Hall & Co, Batavia
250 bgs, Irving Trust Co, Batavia

Jacksonville Imports

TIMBO ROOT—21 cs, Para

Los Angeles Imports

ANNATTO SEED—2,500 lbs, Guayaquil
APRICOT KERNELS—150 lbs, Hongkong
BLOOD MEAL—331,520 lbs, Buenos Aires
CHEMICALS—640 lbs, Shanghai
CHILLIES—4,000 lbs, Kobe
CINNAMON—13,500 lbs, Colombo
COCONUT, DESIC—63,050 lbs, Manila
3,900 lbs, Manila
10,000 lbs, Philippine Islands
1,100 lbs, Manila
COPRA—784,000 lbs, Zamboanga
1,456,000 lbs, Philippine Islands
MEAL—1,200 bgs, 120,000 lbs, Cebu
5,400 bgs, 540,000 lbs, Manila
10,160 sks, 1,016,000 lbs, Manila
5,000 bgs, 500,000 lbs, Cebu
9,000 bgs, 900,000 lbs, Manila
10,540 sks, 1,054,000 lbs, Manila
COTTON LINTERS—221 bls, 91,120 lbs, Rio Janeiro
121 bls, 55,900 lbs, Sau Paulo
DRUGS, ADVANCED—440 lbs, Hongkong
CRUDE—3,760 lbs, Hongkong
FERTILIZER—835,550 lbs, Buenos Aires
FISH LIVERS—3 pkgs, 4,740 lbs, Mazatlan
146 tins, 5,840 lbs, Japan
650 tins, 26,000 lbs, Yokohama
GUM, DAMMAR—6,720 lbs, Singapore
HEMPSEED—22,580 lbs, Dairen
MEDICINAL PREPS—370 lbs, Hongkong
OIL, PEANUT—2,880 lbs, Hongkong
RAPESEED, REFD—41,890 lbs, Buenos Aires
PAPAYA LEAVES—850 lbs, Puntarenas
PEANUTS SHELLED—60,000 lbs, Manila
30,000 lbs, Manila
33,000 lbs, Manila
PEPPER, BLACK—30,000 lbs, Tandjong Priok
PERFUMERY—20 lbs, London
QUEBRACHO EXTRACT—67,270 lbs, Buenos Aires
SESAME SEED—10,080 lbs, Hongkong
SHELLAC—7,380 lbs, Calcutta
SEEDLAC—16,400 lbs, Calcutta
32,800 lbs, Calcutta
TANKAGE—190,400 lbs, Wellington
443,520 lbs, Buenos Aires
TAPIOCA FLOUR—12,670 lbs, Batavia
1,340 lbs, Hongkong
TOILET PREPS—20 lbs, London

Mobile Imports

TAPIOCA FLOUR—822 bgs, Stein, Hall & Co, Batavia
500 bgs, Bank of New York, Ajilatjap
500 bgs, Cheribon

New Orleans Imports

COCOA BEANS—20 tons, Cristobal
GUM, CHICLE—210 tons, Cozumel

Norfolk Imports

BONE RESIDUE—127 bgs, Santos
TANKAGE—2,240 bgs, Tupmann, Thurlow & Co, Rio Janeiro
TAPIOCA FLOUR—500 bgs, Irving Trust Co, Batavia
544 bgs, Cheribon
500 bgs, Bank of New York, Tjilatjap
1,000 bgs, Bank of New York, Tjilatjap
1,090 bgs, Bank of New York, Tjilatjap
2,738 bgs, Stein, Hall & Co, Sourabaya
817 bgs, Stein, Hall & Co, Sourabaya
10,528 bgs, Stein, Hall & Co, Sourabaya

Panama City

TAPIOCA FLOUR—1,104 bgs, Stein, Hall & Co, Batavia

Philadelphia Imports

CASEIN—425 bgs, Caseine Co of America, Buenos Aires
CASSIA—252 bls, Brown Bros and Harriman, Hongkong
CHROME ORE—2,000 tons, E J Lavino & Co, Beira
502 tons, Philadelphia National Bank, Lourenco Marques
COCOA—500 sks, Bank of London & South America, Ltd, Victoria
GUM COPAL—372 bushels, Guaranty Trust Co, Macassar
GREASE—20 cs, Philadelphia National Bank, Calcutta
MANGANESE ORE—80,000 bgs, Mitsubishi Shoji Kaisha, Ltd, Dairen
MYROBALANS—1,000 pkts, Guaranty Trust Co, Calcutta
3,200 bgs, Guaranty Trust Co, Calcutta
OIL, COCONUT—353 tons, Cebu
PETROLEUM, CRUDE—120,170 bbls, Gulf Oil Corp, Puerto La Cruz
120,128 bbls, Gulf Oil Corp, Puerto La Cruz
116,000 bbls, Sun Oil Co, Puerto La Cruz
115,000 bbls, Sun Oil Co, Puerto La Cruz
84,240 bbls, Atlantic Refining Co, Puerto La Cruz
RAPESEED—10 bgs, Buenos Aires
SHELLAC—100 bgs, Grace National Bank, Calcutta
TAPIOCA FLOUR—1,000 bgs, New York Trust Co, Tjilatan

San Francisco Imports

COCONUT, DESIC—80 cs, Bank of California, Davao
95 cs, Wilbur Ellis Co, Davao
150 cs, Wilbur Ellis Co, Davao
GRAPHITE—534 cks, Mozi

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended January 15

Cassia oil, 10 drums; not U.S.P.
Marjoram, 40 bags; dirty.
Medicinal preparation, 1 parcel; new drug.
Nutmegs, 1,400 bags; restricted use.
Peppermint oil, dementholized, 10 cases; restricted use.
Pollock liver oil, 55 drums; restricted use.
Thyme leaves, 43 bags; dirty.

Baltimore

Week Ended January 15

Ginger root, 5 cases; decomposed.

Boston

Week Ended January 15

Cod oil, 50 casks; restricted use.

Exports from U.S. Ports

Baltimore Exports

LITHOPONE—22,000 lbs, Rio Janeiro

Los Angeles Exports

ACID, BORIC—100 bgs, 11,200 lbs, Hongkong; 20 bgs, 3,250 lbs, Auckland; 3,100 bgs, 347,200 lbs, Calcutta; 80 bgs, 8,960 lbs, Calcutta
CITRIC—1,680 lbs, Belawan; 1,120 lbs, Palembang; 11,200 lbs, Sourabaya
NAPHTHENIC—120 lbs, Batavia
ALGINATE—80 dms, 4,000 lbs, Belawan
ASPHALT, LIQ—24 pkgs, 1,030 lbs, Rangoon
BLACK, LAMP—100 lbs, Guatemala City
BORAX—360 bgs, 40,320 lbs, Tientsin; 200 bgs, 22,400 lbs, Hongkong; 160 bgs, 17,920 lbs, Auckland; 110 bgs, 12,320 lbs, Wellington; 20 bgs, 2 240 lbs, Lyttleton; 100 bgs, 11,200 lbs, Rangoon
CLAY, FILTER—600 sx, 29,120 lbs, Christchurch
CLEANER—840 lbs, Hongkong; 500 lbs, Manila
COLOR, DRY—9,000 lbs, Manila; 2,000 lbs, Guatemala City
DIATOMACEOUS EARTH—200 bgs, 10,000 lbs, Lyttleton; 380 bgs, 38,000 lbs, Manzanillo; 230 bgs, 22,000 lbs, San Juan; 100 bgs, 10,000 lbs, Mayaguez
GASOLINE—12,838 bbls, Japan; 11,186 bbls, Tokuyama; 11,221 bbls, Tokuyama
GREASE—6 pkgs, 400 lbs, Wellington
LUBRICATING—15 dms, 6,000 lbs, Manila; 50 dms, 8,100 lbs, Manila; 50 dms, 8,100 lbs, Manila
KEROSENE—70 dms, Auckland
LACQUER—810 lbs, Manila; 270 lbs, Rangoon
THINNER—24,000 lbs, Manila; 240 lbs, Rangoon; 8,800 lbs, San Juan
LARD, SUBSTITUTE—3,900 lbs, Manila
MEDICINAL PREPS—100 lbs, Manila; 100 lbs, Manila
OIL, COTTONSEED—1,930 lbs, Manila; 10,680 lbs, Manila
DIESEL—47,941 bbls, Tsurumi; 1,450 bbls, Puerto Armuelles
FUEL—43,757 bbls, Tsurumi; 43,757 bbls, Tsurumi; 45,348 bbls, San Jose de Guatemala; 25,329 bbls, La Union; 16,521 bbls, Ioco/Vancouver; 58,232 bbls, Tocopilla; 30,165 bbls, Chanaral
LEMON—80 lbs, Manila
LINSEED—8,370 lbs, Manila; 4,200 lbs, Manila
LUBRICATING—47 dms, Tientsin; 60 dms, Shanghai; 40 pkgs, 100 cs, Manila; 8 pkgs, 110 pkgs, Wellington; 43 dms, Christchruch; 40 pkgs, Manila; 100 dms, Rangoon
PALM—26 dms, 10,890 lbs, Guayaquil
PALM, HYDROG—200 bgs, 20,000 lbs, Sourabaya
SULPHONATED—4 dms, 1,000 lbs, Auckland
PAINT—900 lbs, Manila; 40 lbs, Puntarenas
DRIER—350 lbs, Manila
THINNER—200 lbs, Manila
PETROLEUM, CRUDE—71,635 bbls, Tokuyama; 72,398 bbls, Japan; 85,745 bbls, Tokuyama; 71,602 bbls, Tokuyama; 2,000 dms, Melbourne; 52,879 bbls, Ioco/Vancouver
GAS, LIQ—40 cyls, 8,400 lbs, Cebu; 251 cyls, 19,400 lbs, Auckland
SOLVENT—11 dms, 3,530 lbs, Vancouver
RESIN, SYNTH—400 lbs, Manila
SALTCAKE—33,600 lbs, Dunedin
SODA ASH—80,000 lbs, Manila
CAUSTIC—2,550 lbs, Manila
PHOSPHATE, TRI—2,300 lbs, Wellington
TALC—138 bgs, 6,900 lbs, Manila
TOILET PREPS—250 lbs, Manila; 2,180 lbs, Hongkong
WAX, STEARIN—1,000 bgs, 100,000 lbs, Manila

New Orleans Exports

ACETONE—22 tons, Tampico
BAUXITE—45 tons, Havana
CALCIUM ARSENATE—15 tons, Cristobal
CHESTNUT EXTRACT—23 tons, Vera Cruz
COCOA BUTTER—7 tons, Vera Cruz
GASOLINE—52 tons, Belize; 105 tons, Puerto Barrios
AVIATION—83 tons, Puerto Barrios
KEROSENE—52 tons, Belize; 76 tons, Puerto Barrios; 8 tons, Puerto Cabezas
LARD—40 tons, Cristobal; 90 tons, Havana; 8 tons, Tampico; 11 tons, Belize; 32 tons, Puerto Limon; 121 tons, Santiago; 12 tons, Puerto Barrios
LIME—181 tons, Puerto Barrios
OIL, COTTONSEED—42 tons, Cristobal
DIESEL—103 tons, Belize; 86 tons, Puerto Cabezas
FUEL—205 tons, Ceiba
GAS—16 tons, Belize
LUBRICATING—36 tons, Cristobal
PARAFFIN—294 tons, Cristobal; 90 tons, West Coast South America; 13 tons, Santiago; 59 tons, Vera Cruz
PINETAR—7 tons, Vera Cruz
ROSIN—52 tons, Cristobal; 14 tons Cartagena
SALT—201 tons, Havana; 71 tons, Cristobal
SOYBEAN MEAL—45 tons, Havana
SUPERPHOSPHATE—51 tons, Ceiba
TURPENTINE SUBSTITUTE—44 tons, Cristobal

Philadelphia Exports

ACID, FORMIC—30 cbys, Santos
GREASE—2 dms, Petsamo; 1 cs, 1 dm, Santiago
OIL, LUBRIC—2,132 dms, Yokohama; 1,894 dms, Kobe; 307 dms, Osaka; 1,099 dms, Darien; 8 dms, Petsamo; 9 dms, Santiago

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Australian Imports:—Australian imports from non-sterling areas and from Canada, Newfoundland and Hongkong will be permitted during the first quarter of 1941 on the same license and quota basis as during the last quarter of 1940, except that additional products have either been prohibited importation or may be admitted at reduced quotas. The products which may be prohibited entirely or reduced by some fixed percentage during the new period include paper for toilet rolls, aluminum powder, lithopone, soda ash, and pharmaceutical preparations.

Moulded Caps:—Peru has reduced the import duty on moulded caps for tubes, glass flasks and jars.

Oilcake:—French West Africa has established an export duty of one franc per 100 gross kilograms on oilcake.

Peanuts:—Nigeria has increased the export duty on imports from 5s. to 10s. per ton.

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—5,028 bbls, San Diego; 1,106 bbls, San Diego; 62,377 bbls, Portland; 1,868 bbls, San Diego; 2,784 bbls, San Diego; 68,287 bbls, San Francisco; 6,376 bbls, San Diego
OIL, DIESEL—19,292 bbls, Port San Luis; 15,694 bbls, Portland; 6,616 bbls, San Francisco
FUEL—50,293 bbls, Seattle; 3,119 bbls, Portland; 2,434 bbls, Portland; 4,348 bbls, San Francisco; 67,421 bbls, Portland; 102,392 bbls, Richmond
FURNACE—3,091 bbls, Portland; 4,868 bbls, San Fransisco; 4,349 bbls, San Diego

Manufactures Census Returns Are Released

—*Continued from page* 25

Salad Dressings

Establishments ..	134	113
Salaried personnel[1]	402	446
Salaries[1,2]	$870,102	$819,616
Wage earners[3]	2,556	2,487
Wages[2,3]	$2,433,965	$2,521,606
Cost of materials[2]	$37,873,069	$36 914,941
Value of products[2]	$48,941,846	$45,901,353
Value added by makers[4]	$11,068,777	$8,986,414

Secondary Smelting, Refining

Establishments ..	108	103
Salaried personnel[1]	756	1,095
Salaries[1,2]	$2,437,029	$2,919,083
Wage earners[3]	3,608	4,973
Wages[2,3]	$4,366,477	$5,972,117
Cost of materials[2]	$65,436,289	$94,051,751
Value of products[2]	$82,038,323	$113,006,897
Value added by makers[4]	$16,602,034	$18,955,146

Soybean Oil

Establishments ..	47	26
Salaried personnel[1]	338	199
Salaries[1,2]	$663,469	$389,581
Wage earners[3]	1,481	871
Wages[2,3]	$1,889,457	$1,191,890
Cost of materials[2]	$34,434,845	$19,950,065
Value of products[2]	$43,946,647	$24,312,433
Value added by makers[4]	$9,511,802	$4,362,368

Steel Containers

Establishments ..	64	58
Salaried personnel[1]	621	820
Salaries[1,2]	$1,585,881	$1,802,385
Wage earners[3]	6,072	6,231
Wages[2,3]	$7,360,075	$7,356,641
Cost of materials[2]	$32,328,346	$30,295,652
Value of products[2]	$49,165,973	$48,175,322
Value added by makers[4]	$16,837,627	$17,879,670

[1] No data for employees of central administrative offices are included.

[2] Profits or losses cannot be calculated from the census figures because no data are collected for certain expense items, such as interest, rent, depreciation, taxes, insurance, and advertising.

[3] The item for wage earners is an average of the numbers reported for the several months of the year and includes both full-time and part-time workers. The quotient obtained by dividing the amount of wages by the average number of wage earners should not, therefore, be accepted as representing the average wage received by full-time wage-earners.

[4] Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work.

[5] Includes values of commodities other than writing ink, made as secondary products by establishments in this industry, as follows:—1939, $917,710; 1937, $1,316,598. Does not include following values of writing inks made as secondary products by establishments classified in other industries:—1939, $1,710,686; 1937, $1,676,977. The total value of writing ink made in all industries was as follows:—1939, $3,744,235; 1937, $3,835,979.

[6] Increase less than one-tenth of 1 percent.

[7] Includes 8 mills for 1939 and 7 for 1937 manufacturing pulp exclusively from materials other than wood.

Tungsten Deposits In Idaho Mapped

As a part of its strategic minerals investigations, the Geological Survey, United States Department of the Interior, has recently completed an investigation of the tungsten deposits in the Blue Wing district, Lemhi County, Idaho. A report on the district is now being prepared for publication.

During the field work a topographic and geologic map of the district was prepared, and copies of it will be included in the published report. In order, however, to make the map available promptly to persons interested in the district, hand-colored copies, on a scale of about 625 feet to the inch, have been prepared and are available for public inspection at the offices of the Geological Survey in Washington, D. C., and Salt Lake City, Utah, and at the office of the Idaho State Bureau of Mines and Geology in Moscow, Idaho. Photographic black-and-white copies of the map may be obtained from the Director, Geological Survey, Washington, D. C., at a price of $1 a copy.

New Duplex Tubing Discussed

"Duplex" tubing, consisting of outer and inner layers of different alloys, is said to reduce corrosion and cut costs, according to an article in January issue of *"The Pioneer,"* monthly magazine of Niagara Alkali Company and the Electro Bleaching Gas Company. Among other interesting features are: "Advice to Industrial and Municipal Officials on the Draft," "How Scale Models of Streams Help Fight Floods," "Chlorination Combined With Recreation," "Sewage Gas Drives Buses," "New York Photos Taxable Buildings for 'Rogues Gallery'" and "Paper Printed by Electricity, Not Ink." Copies of *"The Pioneer"* will be sent without charge to any executive upon request of Niagara Alkali Company, 60 E. Forty-second St., New York by mentioning the REPORTER.

Obituaries

Carleton Ellis

—*Continued from page* 4

Awarded a gold medal at the Jamestown Exposition in 1907, Mr. Ellis was also named the Edward Longstreth medalist of the Franklin Institute in 1916. He was a member of the Chemists' Club, New York, the American Chemical Society, the American Institute of Chemical Engineers, the Society of Chemical Industry, the Chemical Society of Great Britain, and from 1918-21 served as president of the New Jersey section of the American Chemical Society.

Mr. Ellis was author of numerous textbooks and articles, among which were "Chemistry of Petroleum Derivatives," "Chemistry of Synthetic Resins", "Hydrogenation of Organic Substances", and the "Soilless Growth of Plants".

He maintained fifteen laboratories at Montclair, N. J., and another at Key West, Fla.

Surviving are wife, two daughters and two sons, Carleton Ellis, jr., of Chicago, and Bertram Ellis, of Montclair.

Walter W. McIntyre

Walter W. McIntyre, associated with the Barrett Company, coaltar chemicals, this city, for more than thirty years, died January 14 at his home in this city. He was fifty-six years of age. At his death, Mr. McIntyre was the assistant salesmanager of the sales agency division of the company.

Raymond Foster

Raymond Foster, retired vice-president of the Bayer Aspirin Company, this city, died in his home in Ridgewood, N. J., January 14. He was sixty-seven years of age.

Mr. Foster started his business career as an office boy with Schieffelin & Co., wholesale druggist, manufacturer and manufacturers' agent, this city. He subsequently became a salesman for Schieffelin, who were at the time agents in the United States for Farbenfabriken vorm Friedr. Bayer & Co., Germany, who developed phenacetin, trional, veronal and aspirin. When the Bayer organization took over the selling of their own products in the United States in 1907, the company engaged Mr. Foster to take charge of its representatives here.

When the World War started and Bayer's was sold by the Alien Property Custodian to the Sterling Products Company, Wheeling, W. Va., Mr. Foster went over with the new organization as its directing head. The Sterling Products Company subsequently made him president of the Winthrop Chemical Company.

Surviving are his wife, three sons and two brothers, Winthrop Foster, Pasadena, Calif., and Howell Foster, Cross River, N. Y.

Exports to Be Expedited By U.S. General Licenses

—*Continued from page* 3

The text of the Executive Order follows:

Pursuant to the authority vested in me by section 6 of the act of Congress, approved July 2, 1940, entitled "An act to expedite the strengthening of the national defense," I hereby prescribe the following additional regulations governing the exportation of the articles and materials named in Proclamations No. 2413 of July 2, 1940, No. 2417 of July 26, 1940, No. 2423 of September 12, 1940, No. 2428 of September 30, 1940, No. 2449 of December 10, 1940, No. 2451 of December 20, 1940, and No. 2453 of January 10, 1941:—

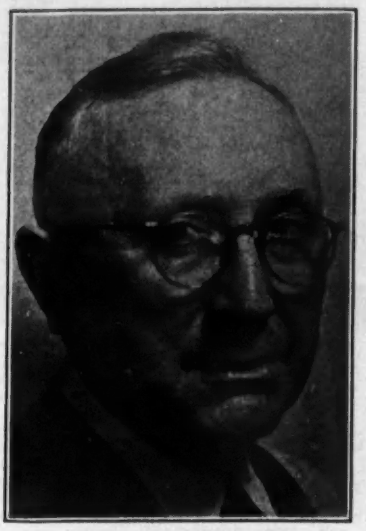
1. Except as may be prohibited by the Neutrality Act of 1939 (54 Stat. 4), the Secretary of State may issue general licenses authorizing the exportation to all or certain areas or destinations of any of the above-designated articles and materials, and forms, conversions, and derivatives thereof, in accordance with rules and regulations prescribed by the President or such specific directives as may from time to time be communicated to the Secretary of State through the Administrator of Export Control.

2. Paragraphs 5, 10, and 11 of the regulations prescribed by the President July 2, 1940, governing the exportation of articles and materials designated in Proclamation No. 2413 of that date, shall be inapplicable to the general licenses herein authorized.

Stephen Louis

Stephen Louis, assistant treasurer of Monsanto Chemical Company, died January 9 in a St. Louis hospital, after a prolonged illness. He was fifty-nine years of age.

Born in France, Mr. Louis came to the United States at the age of eighteen. He went to Louisiana where he taught several years in a French school. He then moved to St. Louis and was employed by the City of St. Louis and the Ely & Walker Dry Goods company, joining Monsanto in 1917 when the company consisted of a single small plant in St. Louis. He was promoted to assistant treasurer in 1929.



Stephen Louis

Dr. Paul N. Leech

Dr. Paul Nicholas Leech, secretary of the council on pharmacy and chemistry of the American Medical Association, died in a Chicago hospital January 14, after suffering a brain hemorrhage in his office. He was fifty-one years of age.

A native of Oxford, Ohio, Dr. Leech was graduated from Miami University, at Oxford, in 1910. He obtained the degrees of master of science and doctor of pharmacy from the University of Chicago, and was given the honorary degree of master of pharmacy by the Philadelphia College of Pharmacy and Science in 1937.

He was a research assistant at the University of Chicago from 1911 to 1913 and a chemist for the American Medical Association from 1913 to 1924. He had been secretary of the council on pharmacy and chemistry since 1932, and director of the division of foods, drugs and physical therapy since 1936. In the World War Dr. Leech was a first lieutenant in the Sanitary Corps, Medical Department, United States Army.

Surviving are his wife, a daughter and a son.

Malcolm McKenzie

Malcolm McKenzie, who died December 27 last at Plainfield, N. J., in his eightieth year for many years was closely identified with the essential oil and pyrethrum flower trades. He was born March 18, 1861, in Brooklyn and his early business years were spent with Flint, Bordman, and Nash, tea importers of this city. He later was in business as an essential oil importer under the firm style of McKenzie Brothers. These two ventures accounted for thirty-five years of his business career. In 1916, he joined the international house of the Antoine Chiris Company and part of his eight years service was as a director of the United States branch in this city.

In 1924, as McKenzie & Co., he became the exclusive representative of the producers of pyrethrum flowers grown in the Kenya Colony, a British possession in British East Africa. His company saw the growth of the Kenya Colony from a country whose first shipment was eight tons to the point where its exports to the United States exceeded those of Japan.

Surviving is his married daughter, Mrs. H. Monroe Humason.

Dr. David H. Tennent

Dr. David H. Tennent, noted biologist and authority on the photodynamic effects of dyes, died January 14 at Bryn Mawr College, Pa., where he was the only man ever to hold the post of research professor. He was sixty-seven years of age.

Dr. Tennent had been conducting his research on vital dyes for more than five years and just before his death had completed a paper, now being printed, on "The Photodynamic Action of Dyes on the Egg of the Sea Urchin, Lytechinus Variegatus." He was a member of the National Academy of Sciences, the American Association for the Advancement of Science, and former chairman of the committee on fellowships of the National Research Council.

John L. Tiffany

John L. Tiffany, general salesmanager for Lederle Laboratories, Inc., a subsidiary of the American Cyanamid Company, this city, until his retirement in 1936, died in a hospital in Wakefield, R. I., January 13. He was sixty-four years of age.

Born in Crompton, R. I., Mr. Tiffany was educated at East Greenwich Academy. He started his business career as a salesman for the H. K. Mulford Company, pharmaceutical manufacturer, Philadelphia, and later joined the sales staff of Schieffelin & Co., pharmaceutical manufacturer, New York. In 1915 he joined Lederle Laboratories, Inc.

Surviving are his wife and a daughter, Mrs. Paul M. Gagney, of New York.

William J. Dick, for fifteen years associated with the sales department of the William Wrigley jr. Company, chewing gum manufacturer, Chicago, died January 11 in Mineola, L. I., after an illness of several months. He was fifty-seven years old.

Ernest F. Eckart, supervisor of varnish formulation and manufacturer for the Sapolin Company, this city, died recently. He was fifty-two years of age. He was affiliated with the Sapolin firm for thirty-five years. Surviving are a brother and two nephews, all of whom are executives of the Sapolin organization.

J. Leonard Engel, associated with the Sapolin Company, this city, for twenty-eight years, died in Brooklyn hospital recently. He was forty-four years of age. Mr. Engel was in charge of formulation and manufacture of pigmented goods for the Sapolin Company. Surviving are his wife and two children.

Wallace L. Fenn, for forty years associated with the West Virginia Pulp & Paper Company, died January 13 at Hackensack, N. J., after a long illness.

Jonathan M. Francis, an accountant with Socony-Vacuum Oil Company, this city, for thirty-two years, died January 13 in Stamford, Conn. He was sixty years of age.

Professor Chester L. Jones, former director of the University of Wisconsin School of Commerce, died January 13 in Madison, Wis. He was fifty-nine years old.

Clyde G. Lucas, associate salesmanager of the New York office of the Hazel Atlas Glass Company, Wheeling, W. Va., died in his home in West Orange, N. J., January 13. He was fifty-one years of age. He had been associated with the company for twenty-six years.

Maria Schuster, mother of Carl T. Schuster, of the Palmer-Schuster Company, manufacturers' agent, Cleveland, died in St. Petersburg, Fla., January 4. In addition to Mr. Schuster, surviving are two daughters and another son, Herbert Schuster, Wooster, Ohio.

James W. Tillett, retired vice-president and director of the Standard Wholesale Phosphate & Acid Works, Baltimore, died in that city, January 12, after a brief illness. He was sixty-eight years old. Mr. Tillett, an authority on the production and uses of acids, built the acid plants used by the company and was in charge of their production.

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Agents Wanted

VEGETABLE OIL commission agents and brokers with outlets in Canada. We have full line of crude and refined import oils, bulk and drums. BOX 323, Oil, Paint and Drug Reporter.

Businesses Offered

BUSINESS OFFERED.—Entire capital stock of small, well-established manufacturing business earning satisfactory profits is for sale. Price, complete details upon request. No sacrifice; cash deal. BOX 315, Oil, Paint and Drug Reporter.

FOR SALE—Complete food manufacturing concern specializing in extracts, concentrated soups and other staple items sold through brokers, wholesale grocers, super markets and chains. Also well-developed house-to-house department. Plant can be operated in present location or moved elsewhere. Complete formulas, trade names and present factory supervisor available. Products produce profitable sales volume and enjoy national distribution. Private labels packed for many large concerns. Ideal for expanding own field and excellent for one interested in manufacturing Owner will sell at sacrifice, as other interests make continued ownership impracticable. BOX 324, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

PLANT LIQUIDATIONS:—Three powder mixers, 2,000 to 3,500 lbs.; three rotex sifters, 20 in. x 42 in, 20 in. x 48 in. and 20 in. x 84 in., single and double deck; Ing. Rand. vac. pumps, 18 in. x 6 in. and 8 in. x 5 in; Bartlett & Snow vert. dryer, 6 ft. dia.; five 32 in. x 32 in. cast-iron filter presses; Tyler Hummer screen, 4 ft. x 5 ft.; Proctor 2 truck dryer; Oliver 3 ft. x ½ ft. lab rotary filter; No. 7 and No. 10 Sweetland filters; U. S. lab. colloid mill; four 7x5 ft. pebble mills; 12x30 and 16x 40-inch 3-roll mills; 3 x 8 ft. rotary steam tube dryer; vacuum shelf dryers; vacuum pumps; No. 00, No. 0 and No. 1 Raymond mills; jacketed, agitated vacuum stills; kettles and tanks; Hammer mills; crushers and pulverizers; centrifugals; tablet machines, ½ in. to 2½ in.; filter presses to 36 in. sq.; disc filters; iron mills; portable agitators; rotary and centrifugal pumps, powder and paste fillers and mixers, bottle fillers and washers. Only partial listing. Write for liquidation bulletin L-17, chemical bulletin No. 128, and pharm. bulletin No. 113. We buy your surplus machinery. Stein Equipment Corp., 428 Broome street, New York City.

FOR SALE—Aluminum steam-jacketed kettle, 60-gallon capacity. Excellent condition. Fully equipped; double gas burner. Cheap, Glissen Chemical Co., Inc., 395 Smith street, Brooklyn, N. Y.

Equipment Offered

AVAILABLE NOW: Abbe pebble mill, 30 x 36, porcelain lined; A. C. motor; two motor - driven quadruple jar mills; Sharples super centrifuges, monel bowls, A.C. motors; pony mixers, 2½ to 40 gallons; sifters and mixers, 50 to 1,200 pounds; jacketed kettles and tanks. What have you for sale? Machinery & Equipment Corp., 59 E. 4th street, New York City.

FOR SALE—By operators, complete pulverizing plant, purchased 1936, Raymond 3-roll, high side mill, belt drive, with cyclone collector, air-separator, tubular dust collector, inter-connecting ducts and fan. All motors, starter and panal, jaw crushers, elevators, conveyors, etc. BOX 326, Oil, Paint and Drug Reporter.

SPECIALS FROM stock: A. T. & M. 10½-inch rubber-lined centrifugal, motor driven; Shriver 30-inch steam-jacketed filter press; Day jumbo mixer, 680 gals.; Ross 4 ft. 8 in. putty chaser; four Patterson 1,000-gal. mixing tanks; five 26-inch stone mills with iron mill feeds; three 8-inch laboratory stone mills; filter presses, 12-inch to 36-inch, cast iron and wood; pebble and ball mills, laboratory to 1,000 gals.; pony mixers; dry powder mixers; colloid mills; vacuum pans, etc. Send for latest bulletins. Brill Equipment Corporation, 183 Varick street, New York City.

Equipment Wanted

WANTED—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixers, pulverizer. No dealers. BOX 303, Oil, Paint and Drug Reporter.

Materials Offered

LUMINOUS CALCIUM is not new, but "Calux" luminous calcium pigment and paint with sensational all-night afterglow is. Numerous commercial uses. Absolutely safe. Employed extensively in England for illumination during blackouts. Sole manufacturers. American Luminous Products Co., Huntington Park, California.

CHILIAN-SALTCAKE 90% grade any quantity up to 7,000 tons bulk per month; immediate delivery subject unsold; 94-95% 3,000 tons monthly delivery five months. Business for 94-98% only on basis of contract minimum 36,000 tons one year. F.O.B. quotations preferred, but C.I.F. available. Flinn, Blandford & Co., Ltd., Casilla 1837, Santiago de Chile. Cables: Flinn Santiago.

Materials Wanted

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

Materials Wanted

WANTED: Powdered chlorate of potash. Write quantity and price. BOX 325, Oil, Paint and Drug Reporter.

Plants Offered

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Carbon Tetrachloride:—990 gallons; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 828, opening January 22.

Chemicals:—Division of Purchases, Sales & Traffic, Department of Agriculture, Washington; invitation 1228, opening January 22.

Detergent:—38,250 pounds; Quartermaster, Marine Corps, Washington; schedule 879, opening January 23.

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